JVC

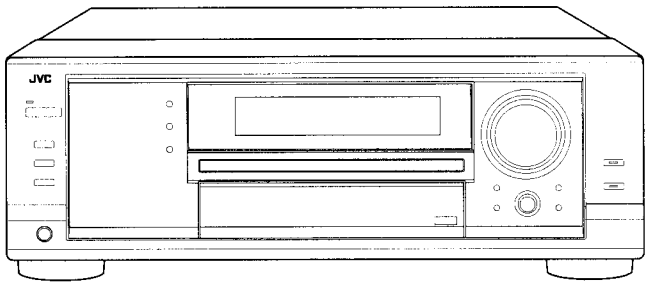
SCHEMATIC DIAGRAMS

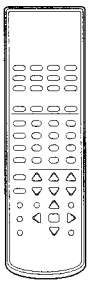
AUDIO/VIDEO CONTROL RECEIVER

RX-8032VSL

CD-ROM No.SML200310

Area suffix
E----------Continental Europe
EN----------Northern Europe





(For RX-8032VSL)

(For RX-8032VSL)

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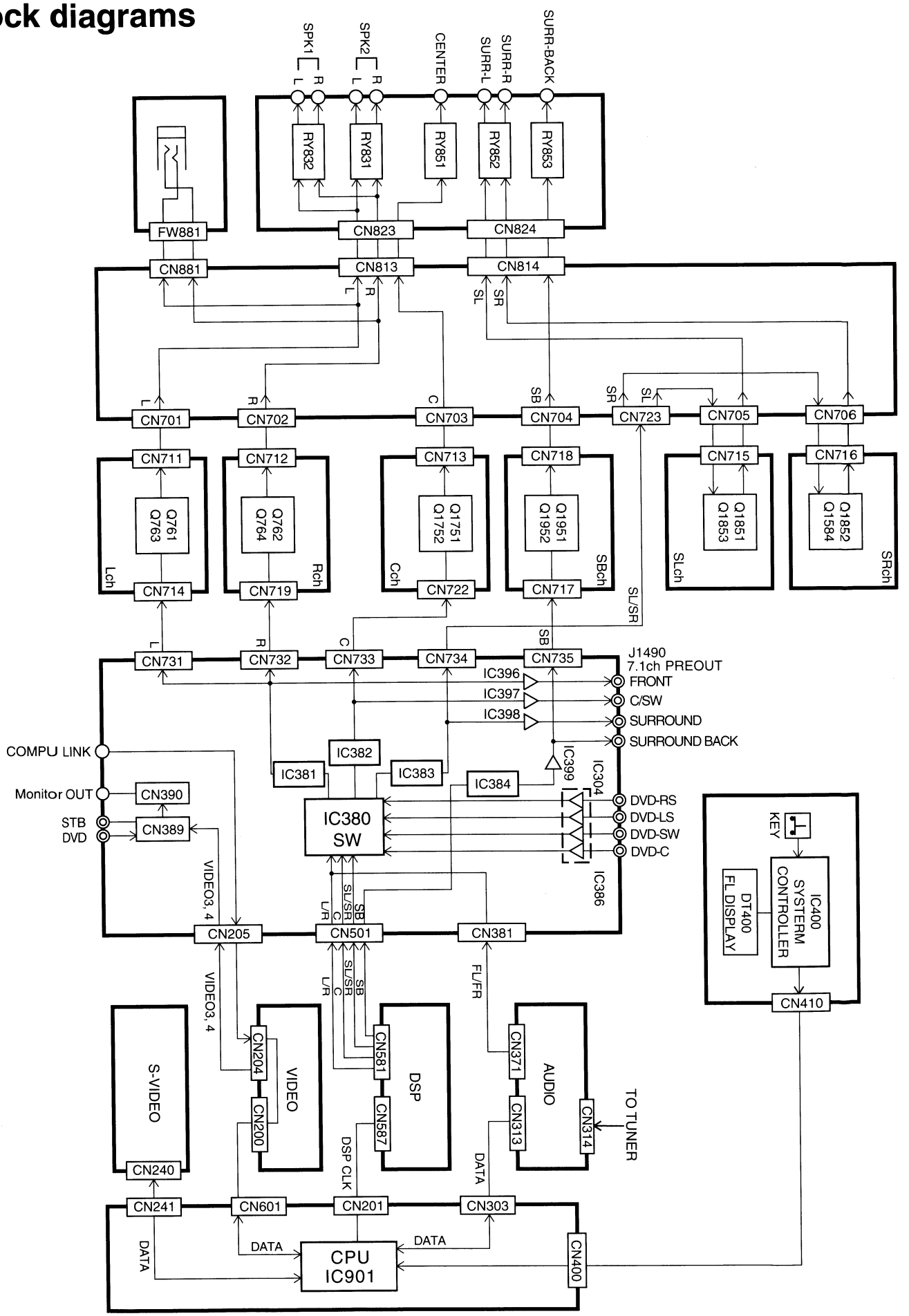
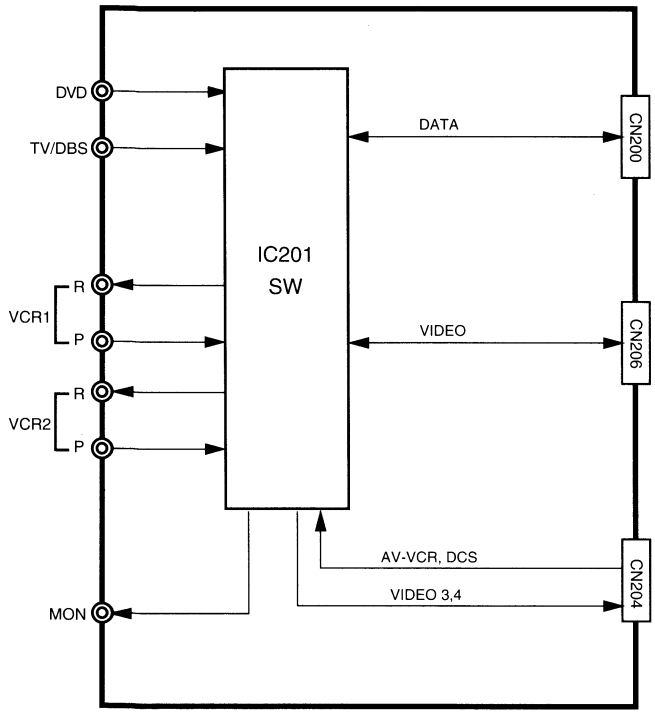
No.MB037SCH
2003/10

In regard with component parts appearing on the silk-screen printed side (parts side) of the PWB diagrams, the parts that are printed over with black such as the resistor (▬), diode (▮) and ICP (●) or identified by the "⚠" mark nearby are critical for safety.
(This regulation does not correspond to J and C version.)

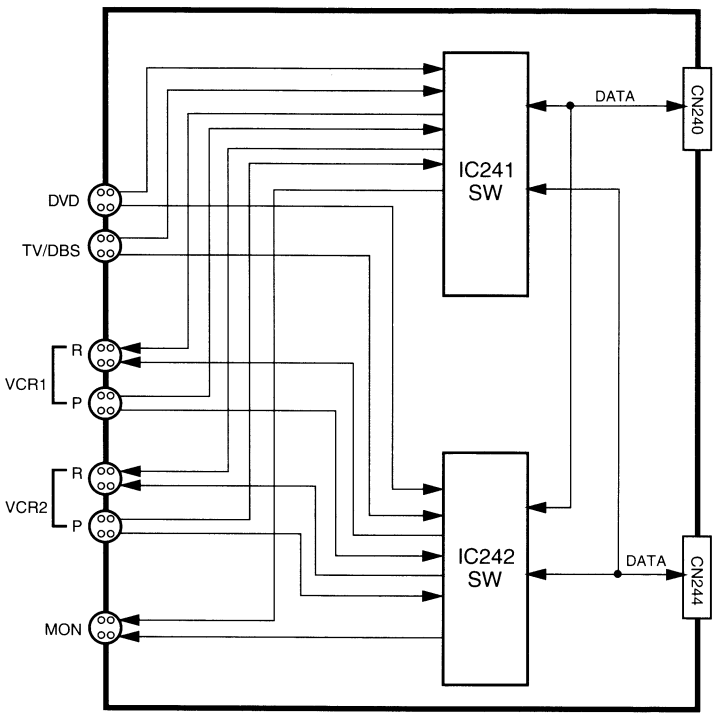
Block diagrams



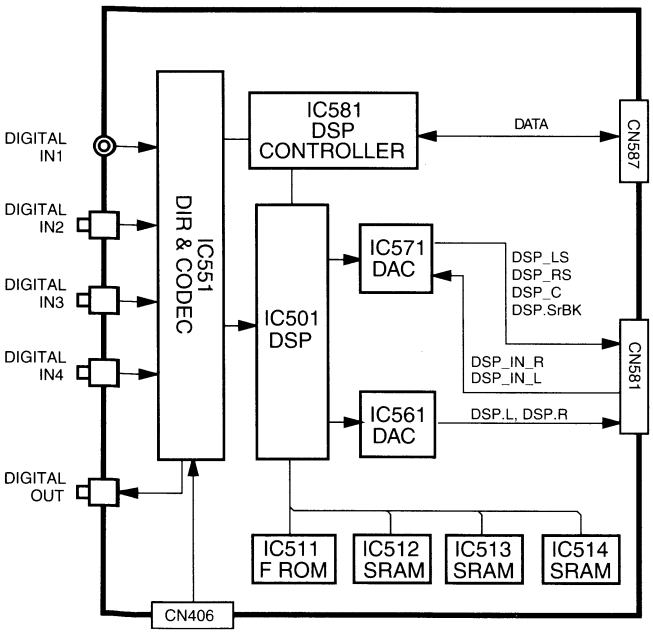
■ Video section



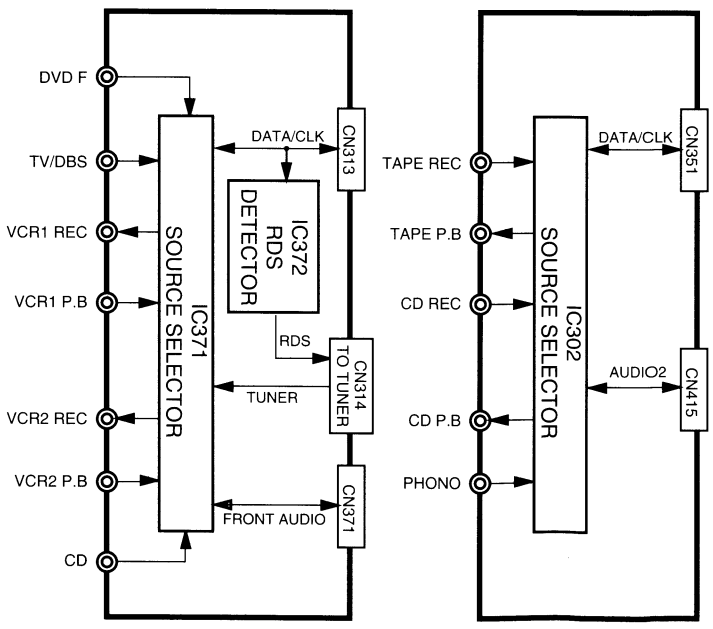
■ S-Video section



■ DSP section

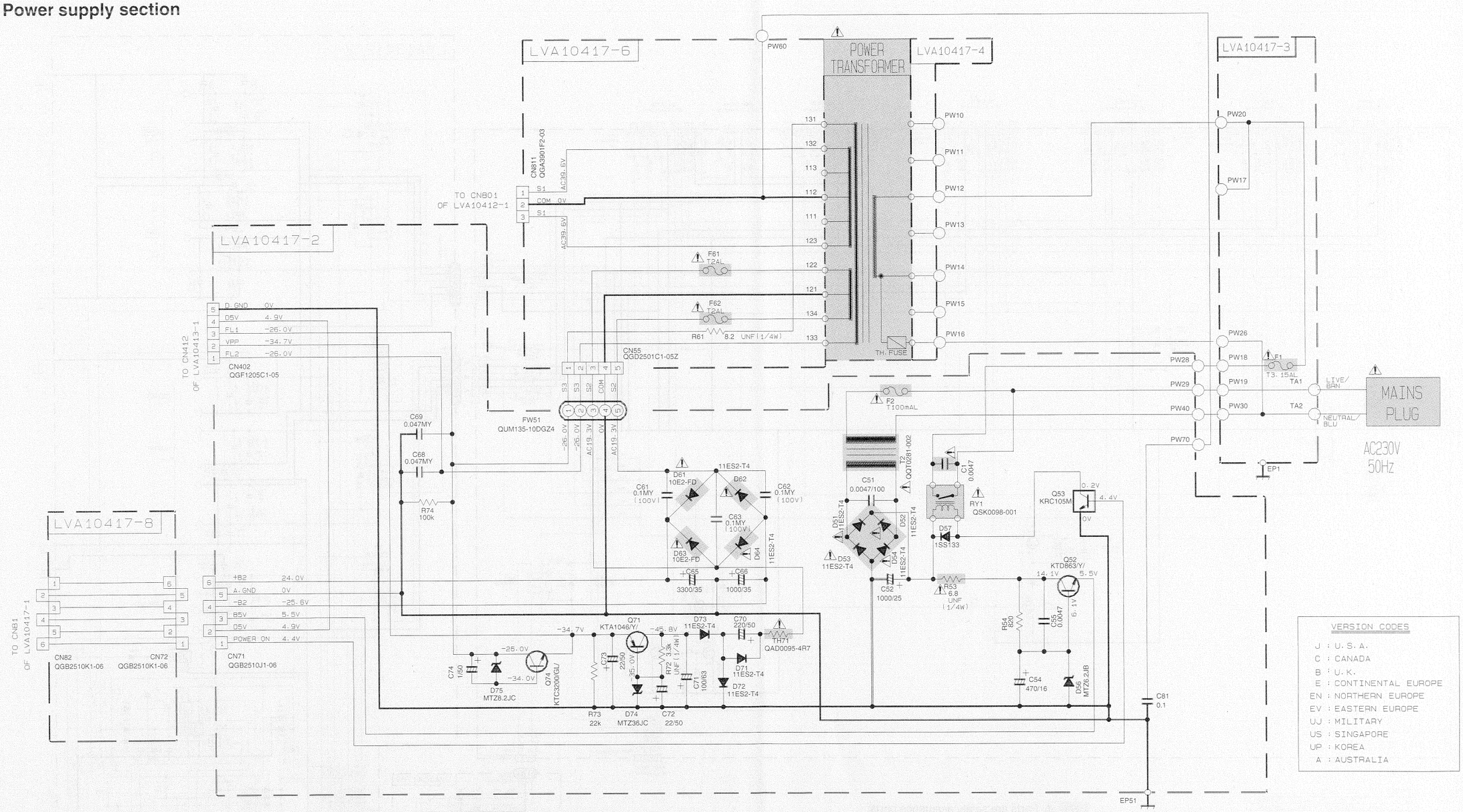


■ Audio signal input section



Standard schematic diagrams

■ Power supply section



VERSION CODES

J	U.S.A.
C	CANADA
B	U.K.
E	CONTINENTAL EUROPE
EN	NORTHERN EUROPE
EV	EASTERN EUROPE
UJ	MILITARY
US	SINGAPORE
UP	KOREA
A	AUSTRALIA

⚠ Parts are safety assurance parts. When replacing those parts make sure to use the specified one.

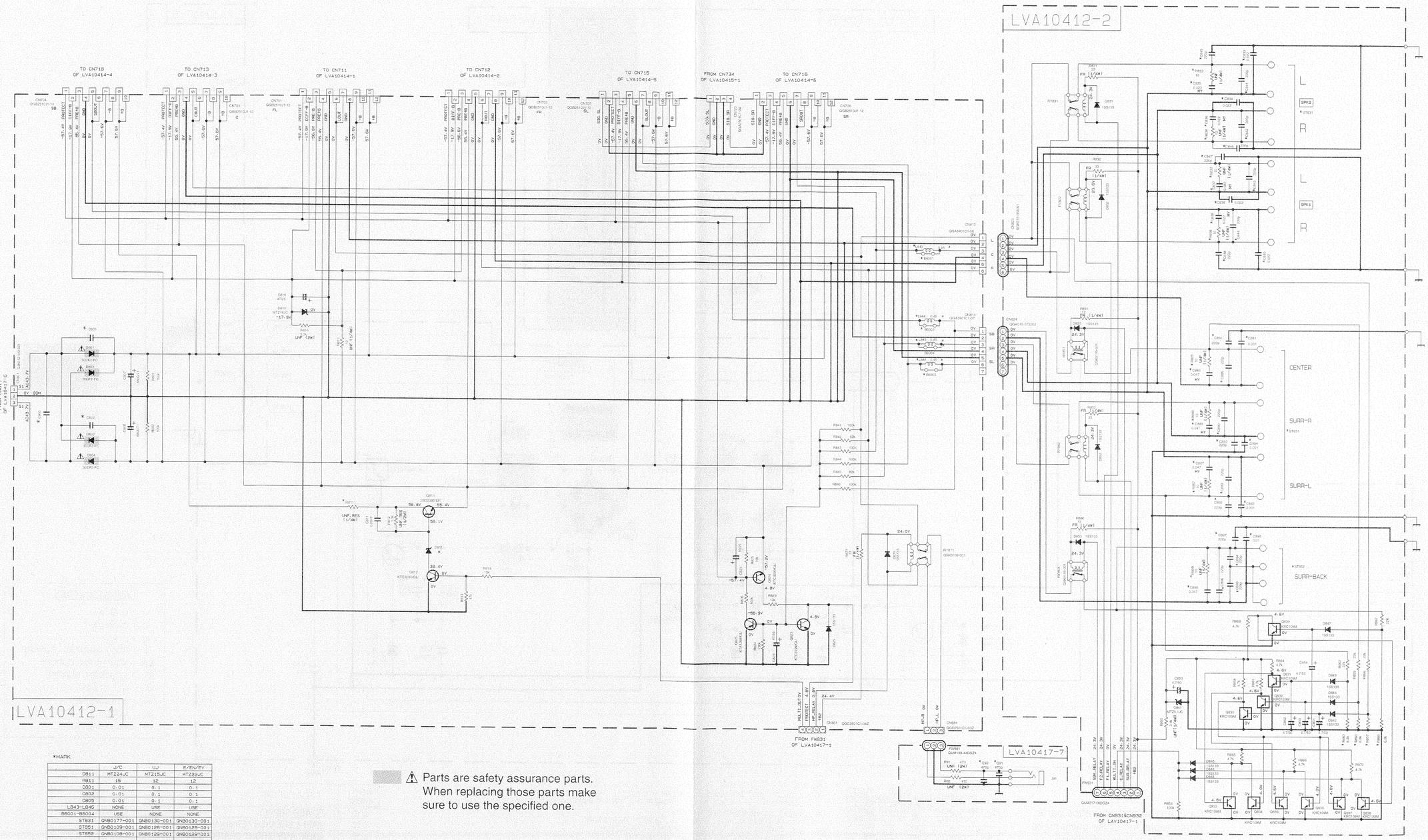
	J/C	B	E/EN/EV
F1	QMF51U1-5R3-J8	QMF51MC-3R15-J8	QMF51MC-3R15-J8
F2	NONE	QMF51E2-R10-J1	QMF51E2-R10-J1
F4	NONE	QMF51MC-3R15-J8	NONE
F61,F62	QMF51U1-2R0-J8	QMF51MC-2R0-J8	QMF51MC-2R0-J8
VR1	NONE	USE	NONE
T2	QQT0317-001	QQT0061-004	QQT0281-002
Q51	NONE	USE	NONE
D55	NONE	USE	NONE
R1	USE	NONE	NONE
R51,R52	NONE	USE	NONE
R61	3.3	8.2	8.2
C52	1000/25	470/63	1000/25
C53	NONE	USE	NONE
C81	NONE	NONE	USE

NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.
   CONDITION --- COLD START. POWER ON. FM. SURROUND OFF. VOL 30
2. UNLESS OTHERWISE SPECIFIED.
   ALL RESISTORS ARE 1/6W ±5% CARBON RESISTOR.
   ALL CAPACITORS ARE 50V CERAMIC CAPACITOR.
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITANCE VALUES ARE IN uF(p=pF).
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(uF)/RATED VOLTAGE(V).

SHEET NUMBER	CIRCUIT DISCRIPTION
1/10	POWER SUPPLY
2/10	MAIN & SPEAKER TERMINAL
3/10	AUDIO AMP (FRONT CHANNEL)
4/10	AUDIO AMP (CENTER, SURR, S-BACK CHANNEL)
5/10	AUDIO SIGNAL INPUT
6/10	VIDEO/S-VIDEO SIGNAL INPUT
7/10	I/O
8/10	FRONT KEY/SYSTEM CONTROL
9/10	MICON
10/10	DSP

■ Main & Speaker terminal section

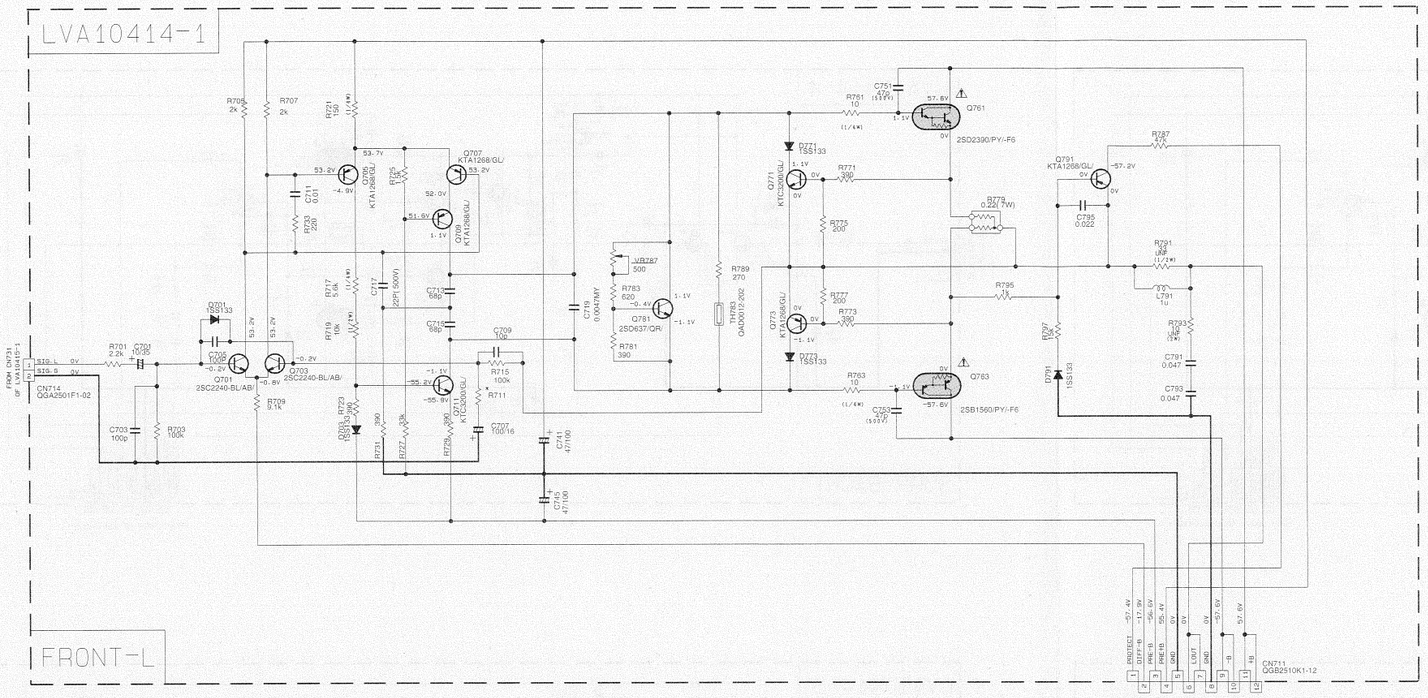


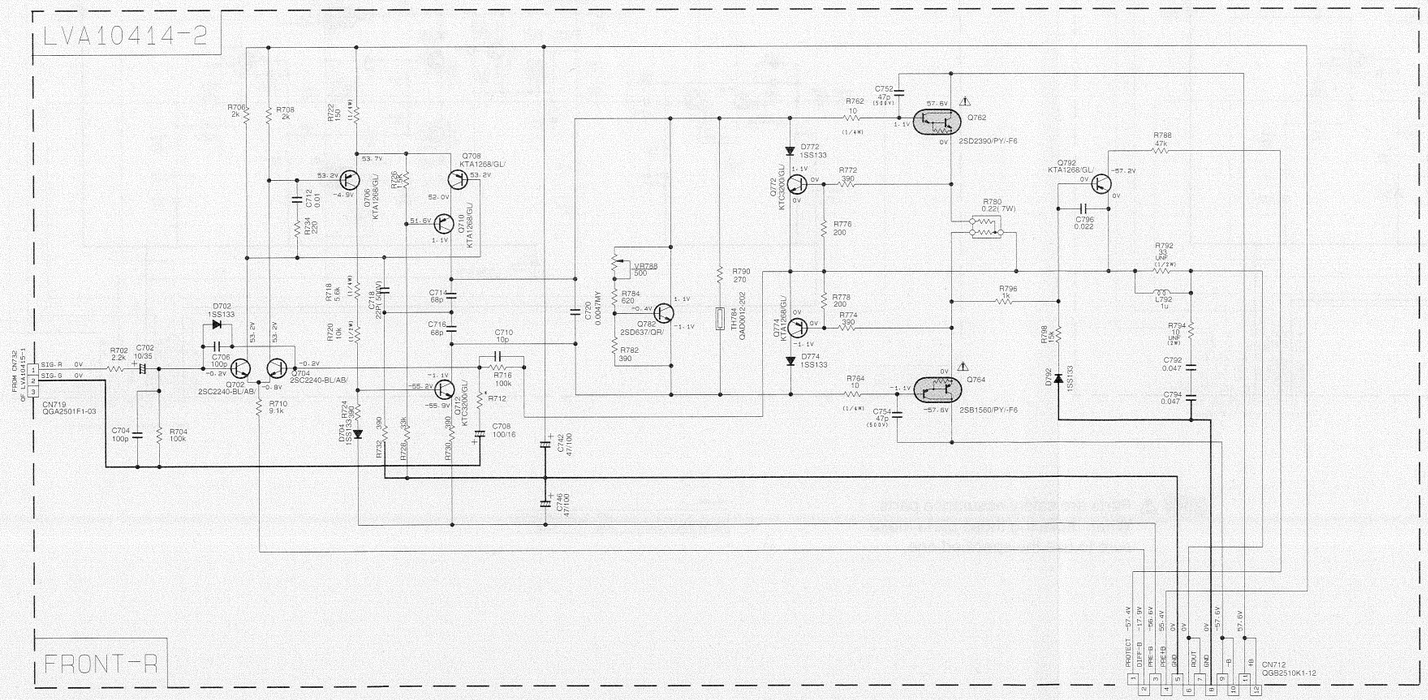
*MARK

	J/C	UJ	E/EN/EV
D811	MTZ24JC	MTZ15JC	MTZ22JC
R811	15	12	12
C801	0.01	0.1	0.1
C802	0.01	0.1	0.1
C805	0.01	0.1	0.1
L843-L846	NONE	USE	USE
B6001-B6004	USE	NONE	NONE
ST831	GNB0177-001	GNB0130-001	GNB0130-001
ST851	GNB0109-001	GNB0128-001	GNB0128-001
ST852	GNB0108-001	GNB0129-001	GNB0129-001
R833-R834	NONE	USE	USE
R837-R838	NONE	USE	USE
R857	6.8k	10k	6.8k
R860-R863, R869	USE	NONE	USE
R885	NONE	USE	USE
R887-R889	NONE	USE	USE
C833-C848	NONE	USE	USE
C881	NONE	USE	USE
C883-C893	NONE	USE	USE
C895-C898	NONE	USE	USE
C894, C899	NONE	USE	USE
C91, C92	NONE	USE	USE

⚠ Parts are safety assurance parts. When replacing those parts make sure to use the specified one.

■ Audio amp. section (1/2)





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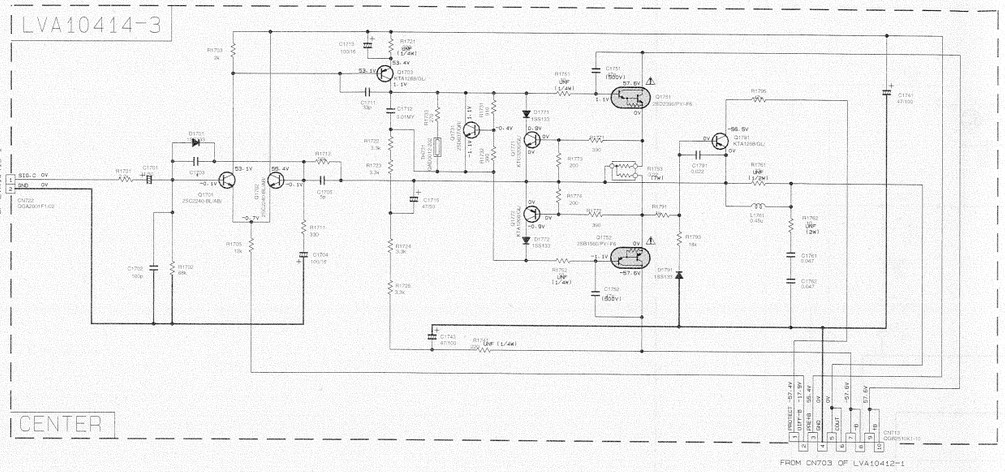
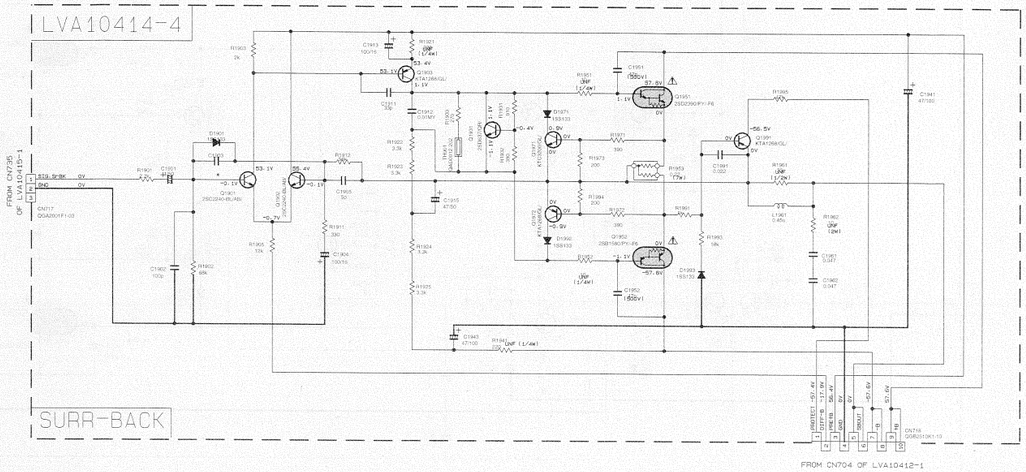
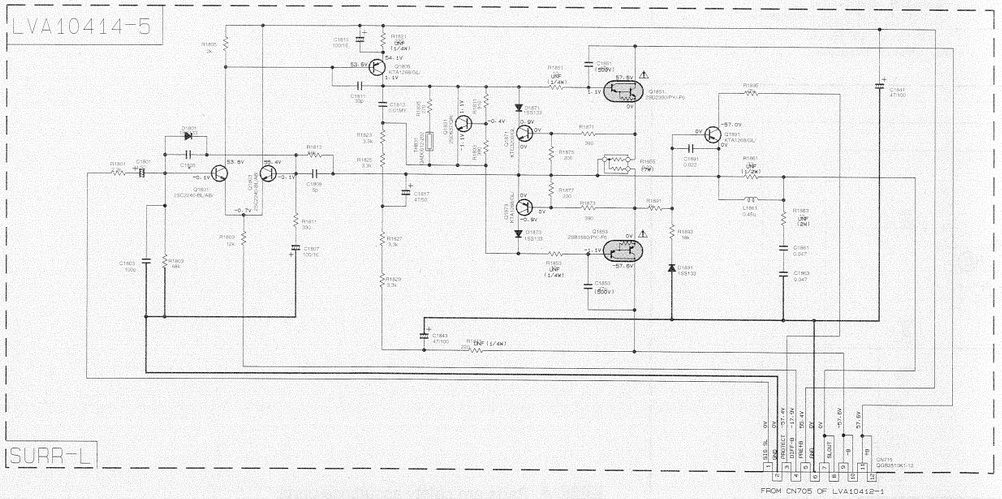
※ MARK

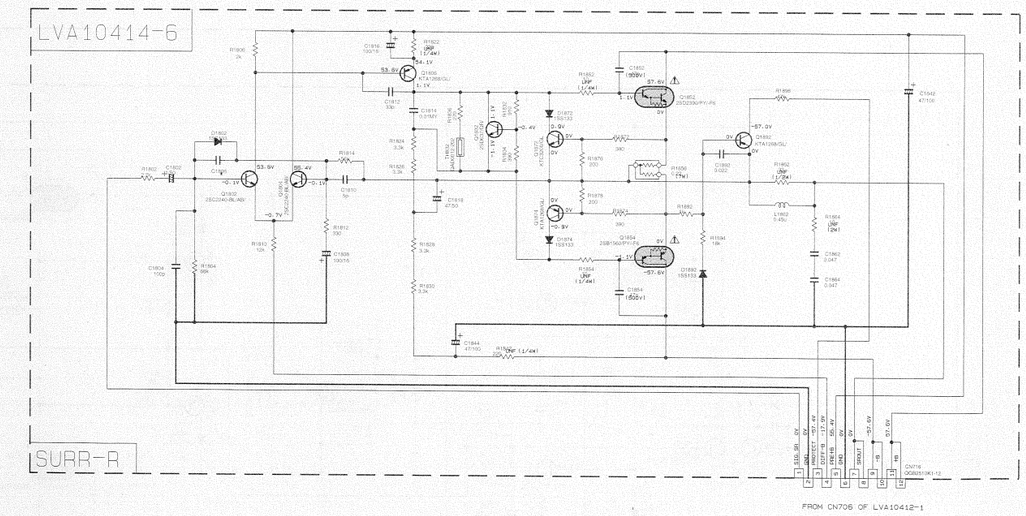
	J/C	EXCEPT J/C
R711, R712	560	620

■ Audio amp. section (2/2)







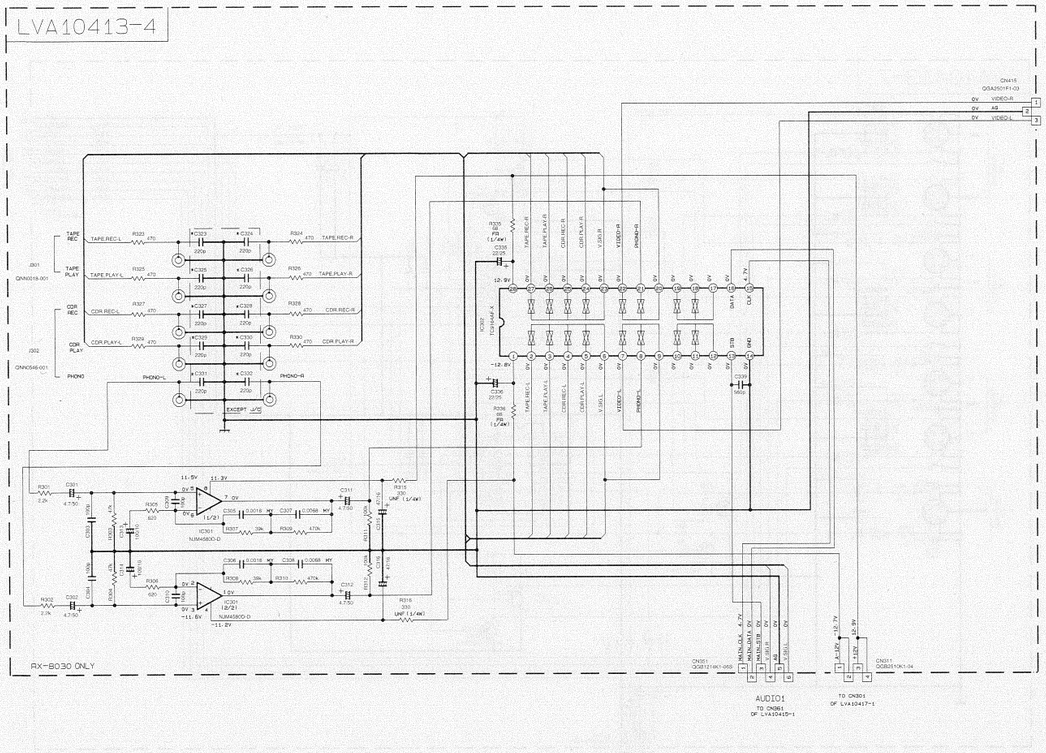


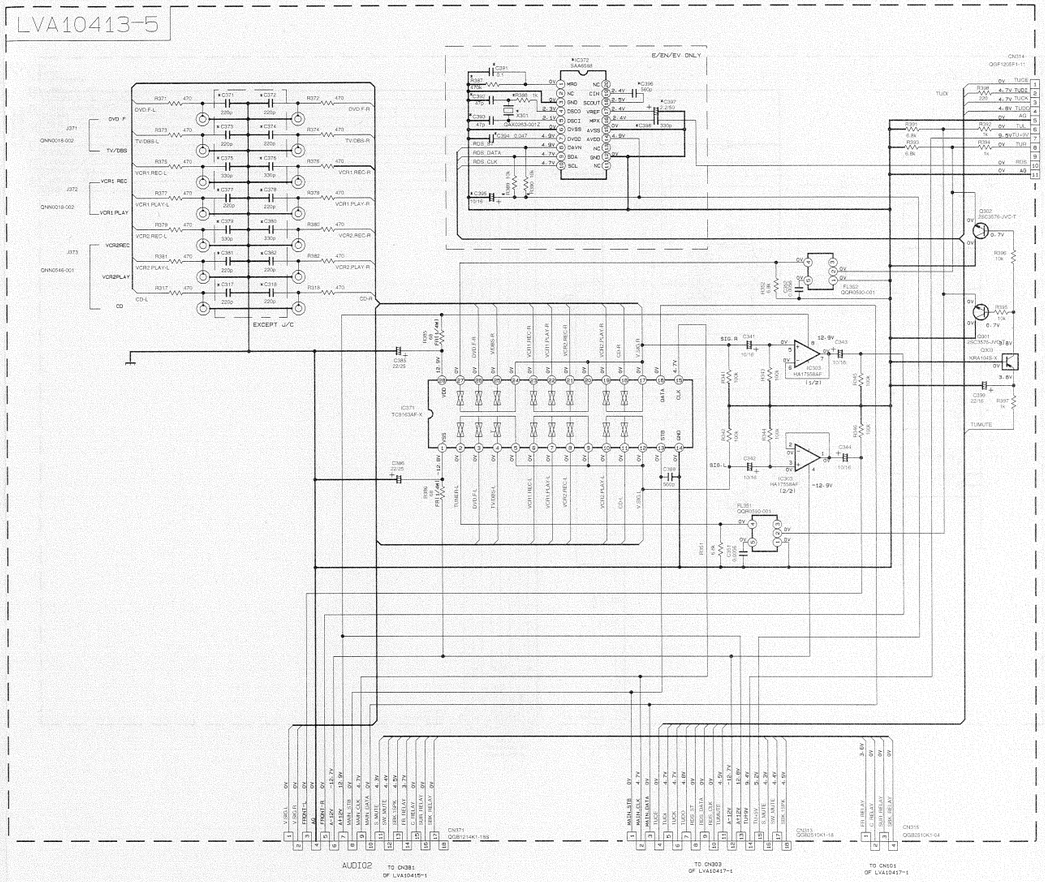
⚠ Parts are safety assurance parts. When replacing those parts make sure to use the specified one.

*MARK

	J/C	EXCEPT J/C
C1703·C1605·C1806	100p	220p

■ Audio signal input section





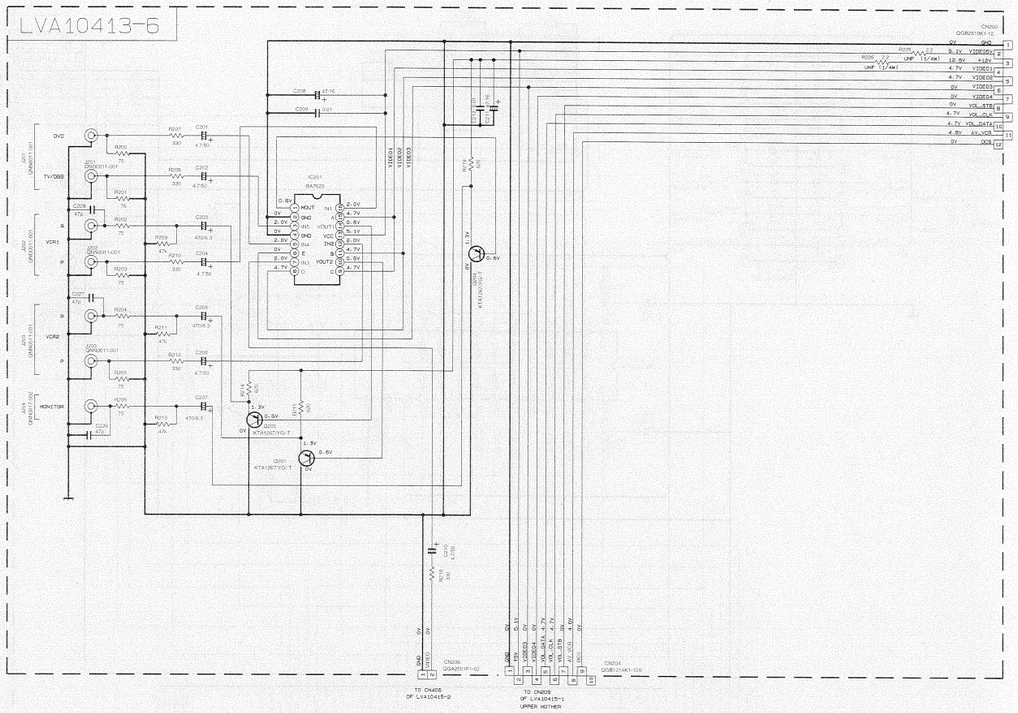
AUDIO I/O

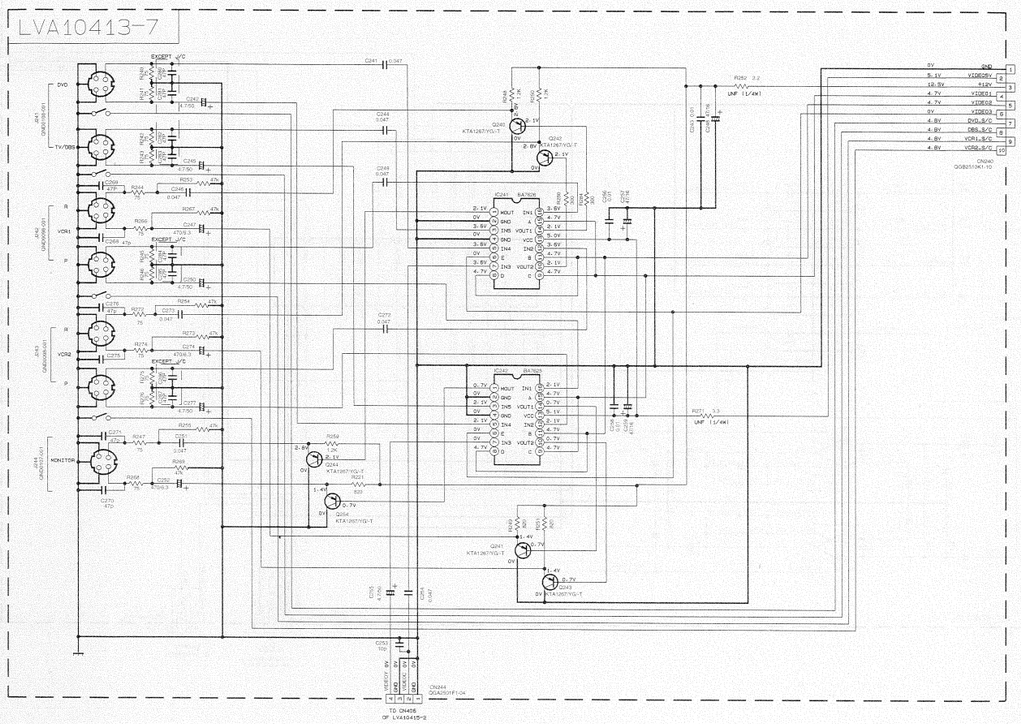
	J/C	EXCEPT J/C
C317-C318	NONE	USE
C323-C332	NONE	USE
C371-C382	NONE	USE

RDS

	E/EN/EV	EXCEPT E/EN/EV
IC372	USE	NONE
R387-R390	USE	NONE
C391-C398	USE	NONE
X301	USE	NONE

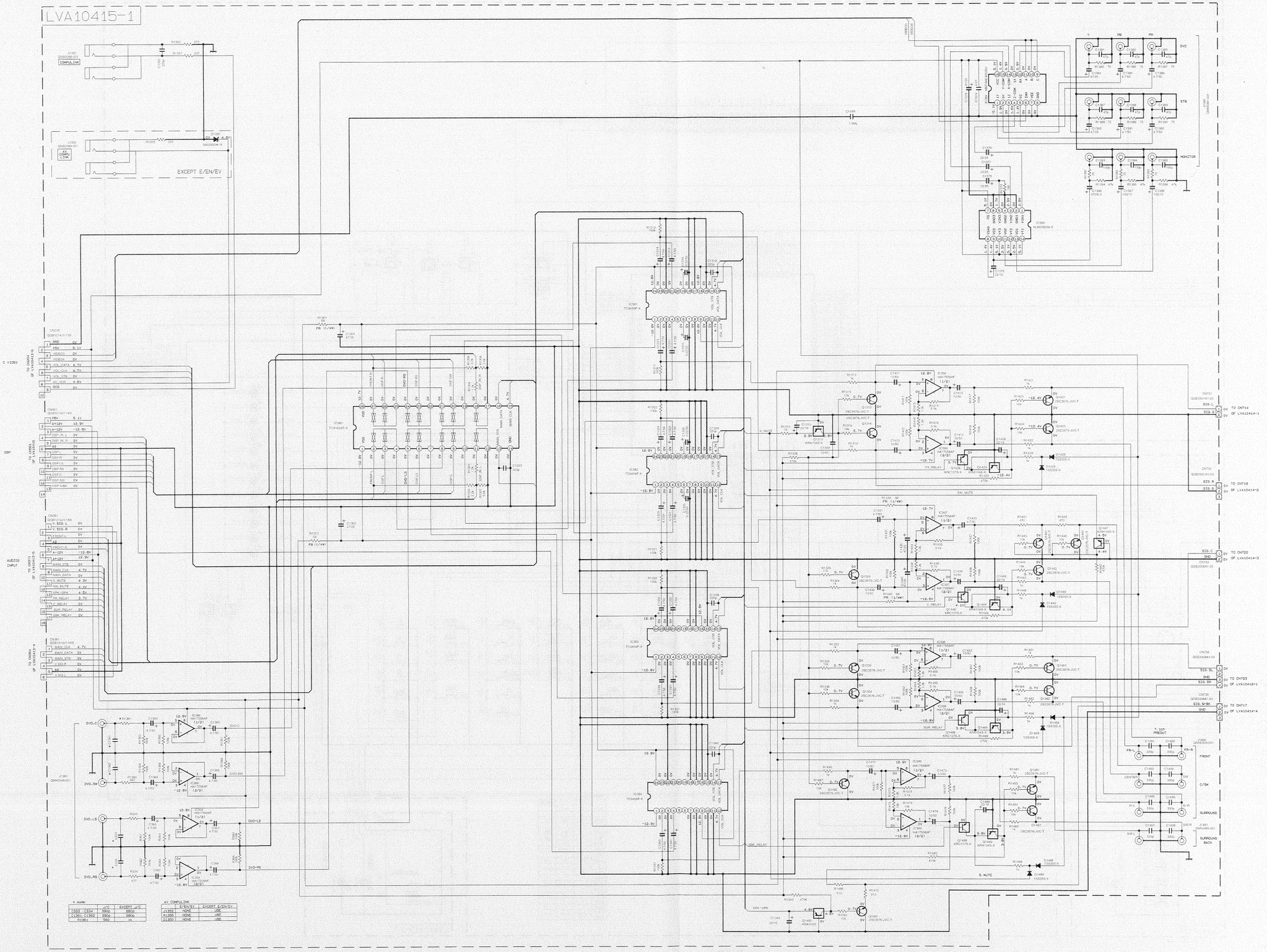
■ Video & S-video signal input section





	J/C	EXCEPT J/C
C280~C287	NONE	USE

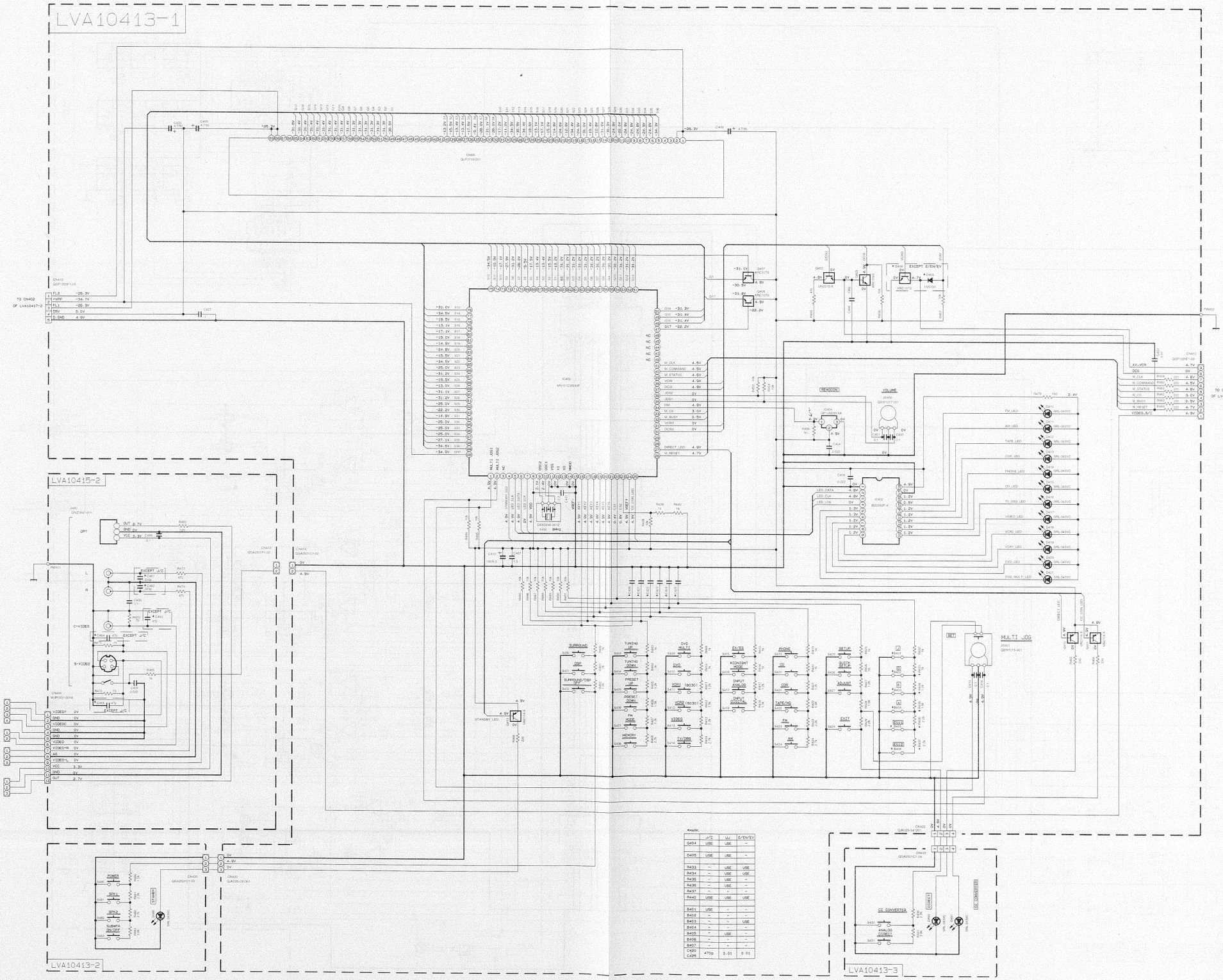
■ I/O section



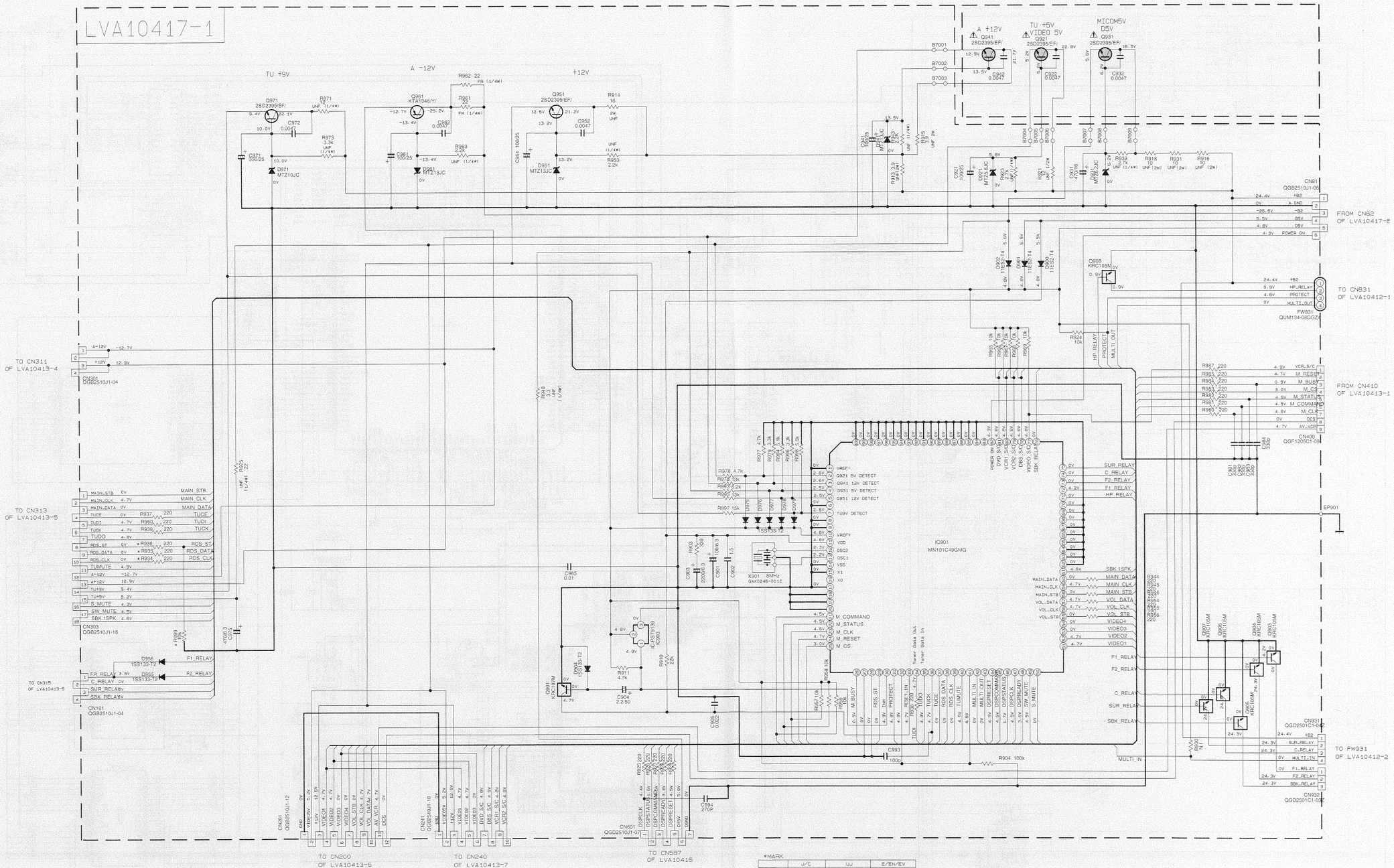
K MARK		
	U/C	EXCEPT U/C
C333 C334	390p	680p
C1361 C1362	390p	680p
R1351	56Ω	1k

AV COMPULINK		
	E/EN/EV	EXCEPT E/EN/EV
J1352	NONE	USE
R1355	NONE	USE
D1350	NONE	USE

■ Front key & System control section



■ Micon section



*MARK	J/C	UJ	E/EN/EV
R999	USE	USE	NONE
R934	NONE	NONE	USE
R935	NONE	NONE	USE
R936	NONE	NONE	USE

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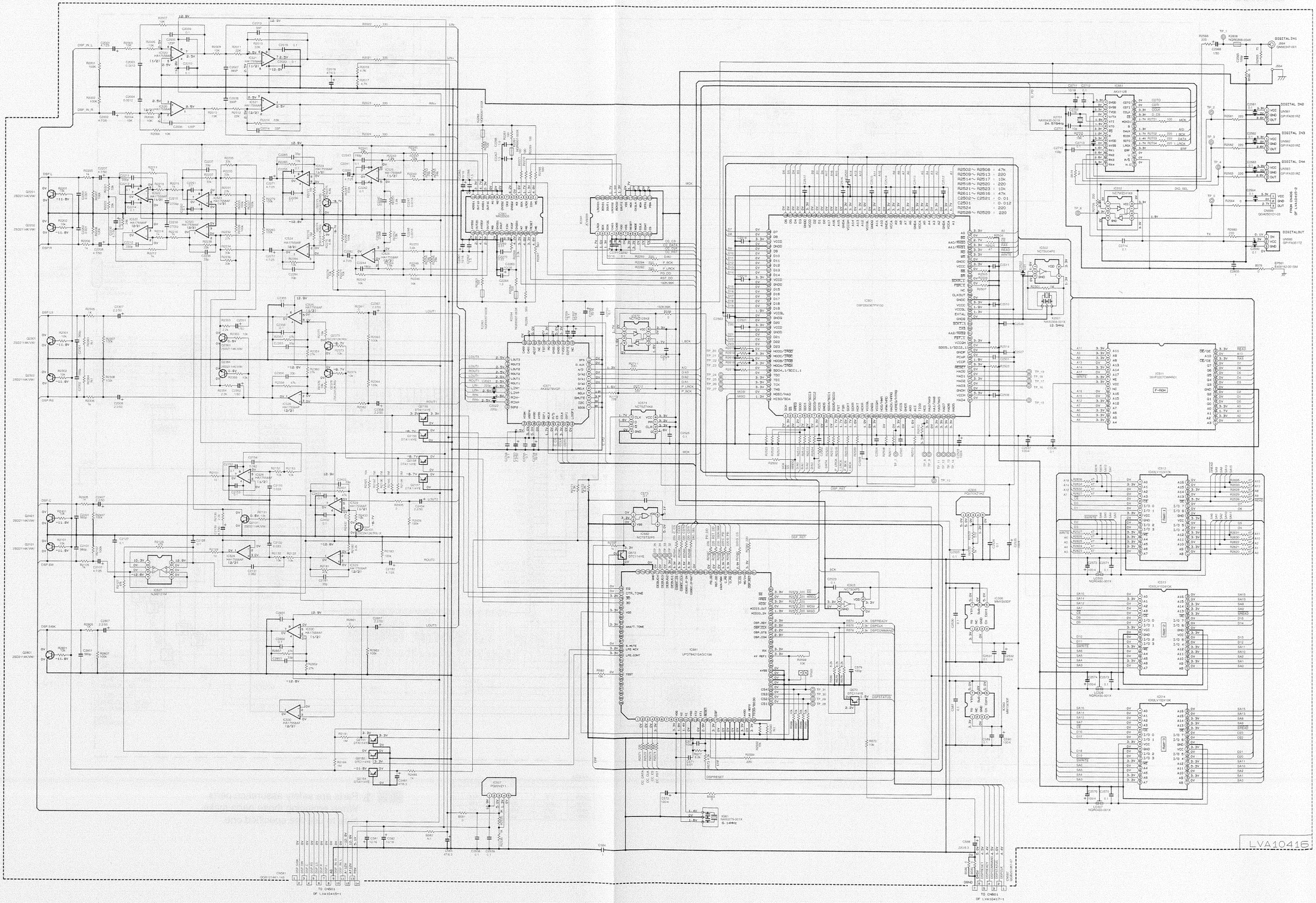
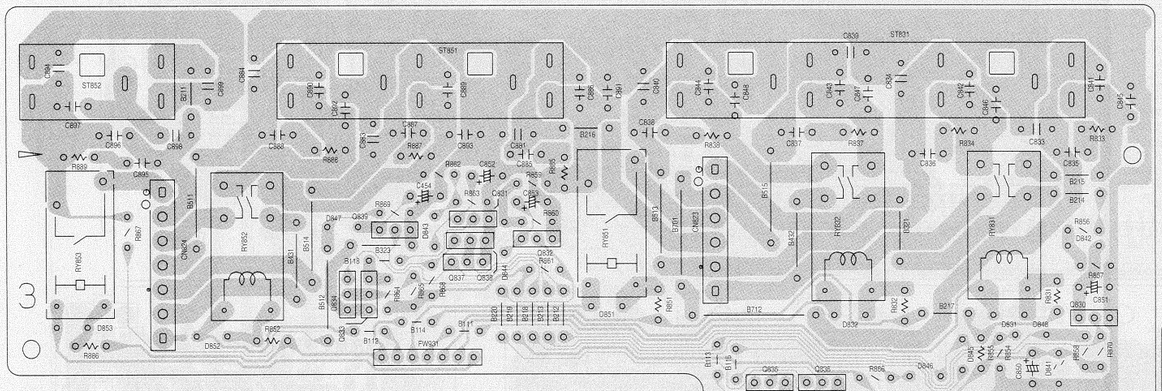
■ DSP section


DSP_IN_L
DSP_IN_R
DSP_LS
DSP_RS
DSP_C
DSP_SW
DSP_SWK
DSP_L
DSP_R
LOUT1
LOUT2
LOUT3
ROUT1
ROUT2
ROUT3
LIN+
LIN-
RIN+
RIN-
MCK
BCK
LRCK
SDIN
DIGITAL IN1
DIGITAL IN2
DIGITAL IN3
DIGITAL IN4
DIGITAL OUT
FROM CN502
TO CN501
DF LVA10415-1
TO CN601
DF LVA10417-1
LVA10416

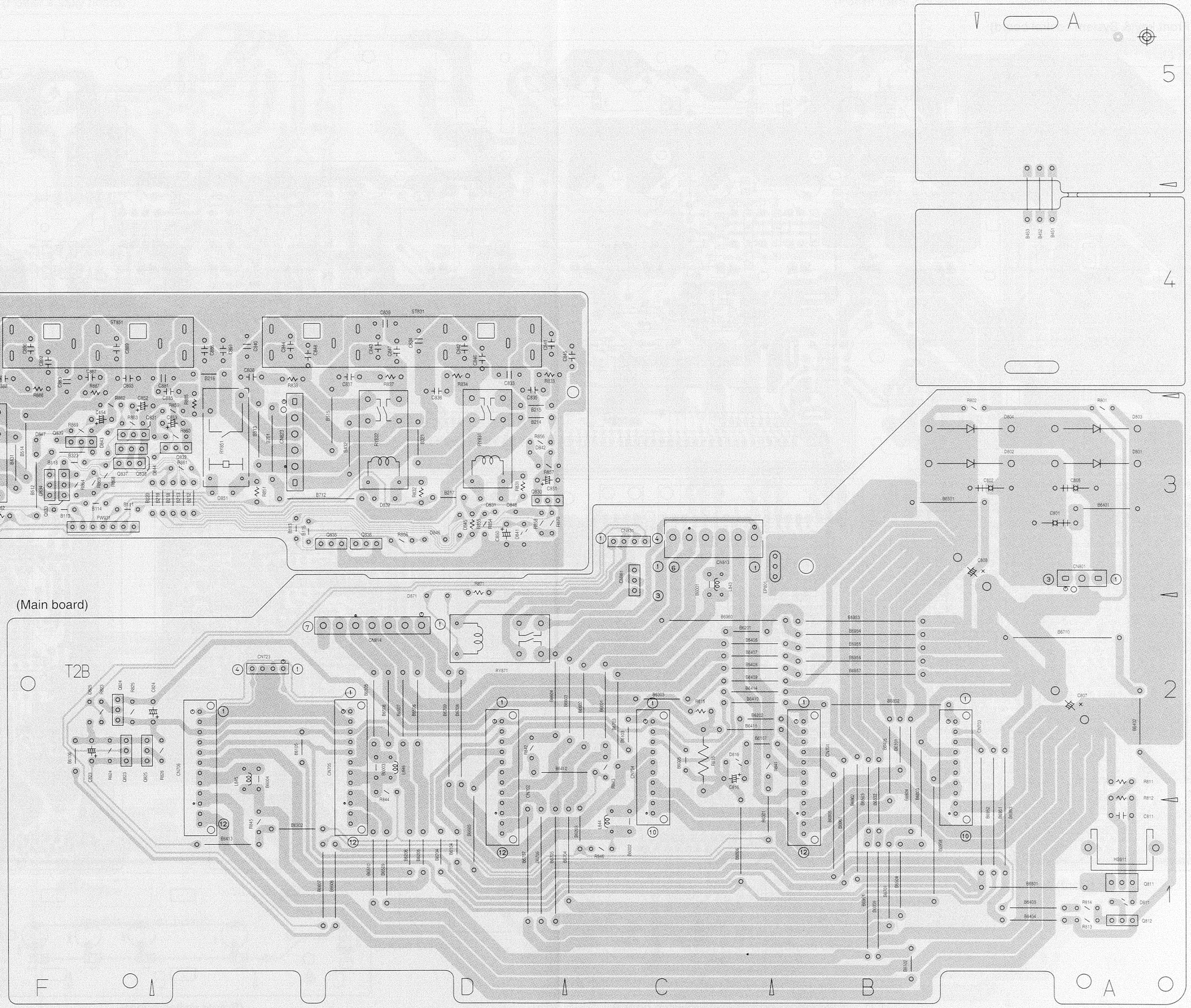
Printed circuit boards

■ Main board

(Speaker board)

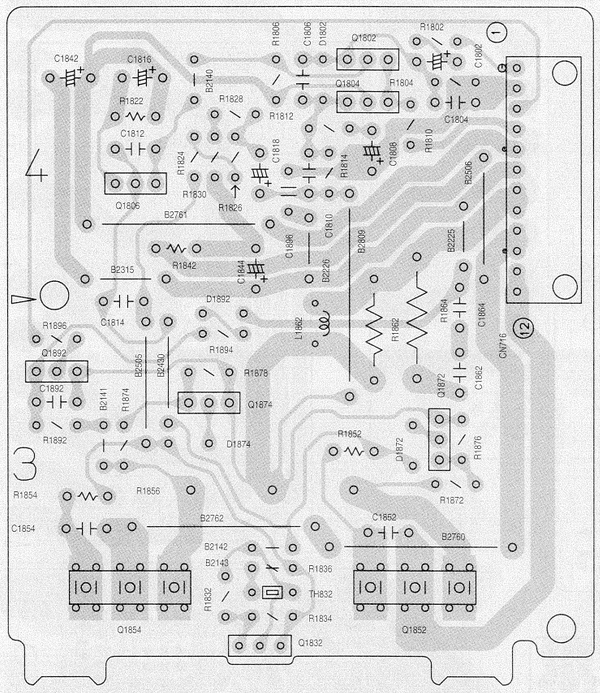


(Main board)

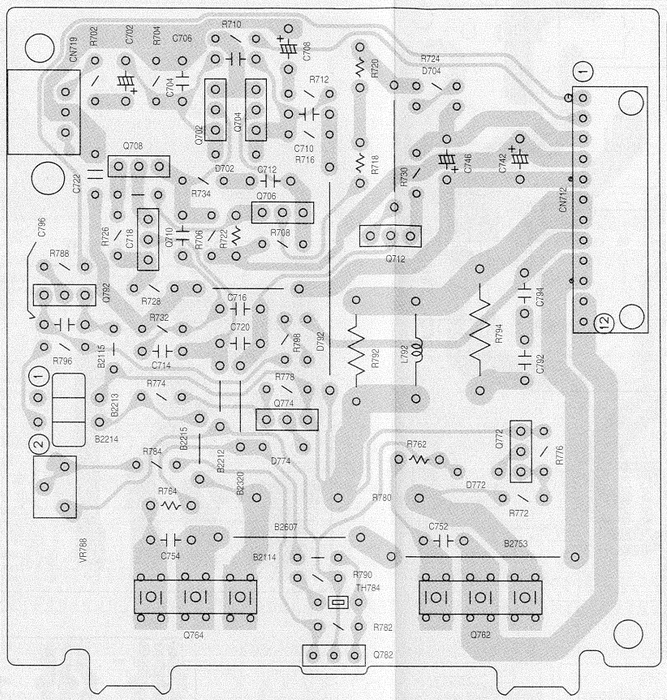


■ Power board

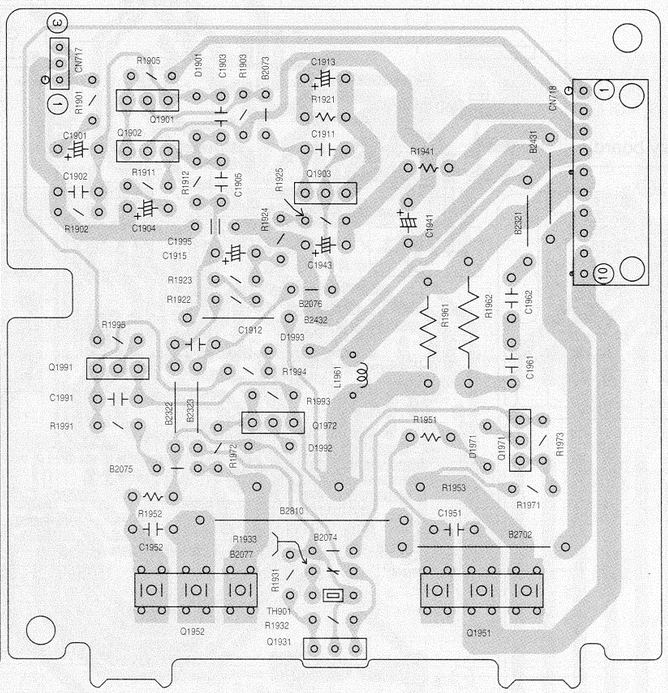
(Surround board [R])



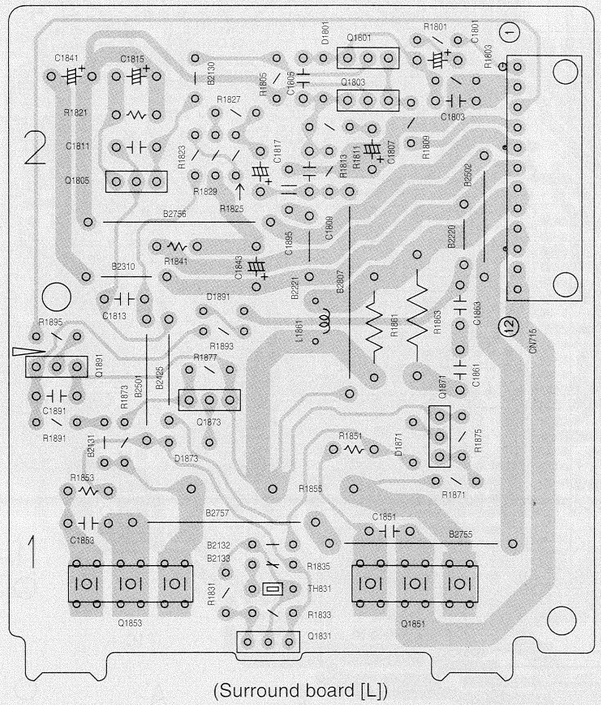
(Front board [L])



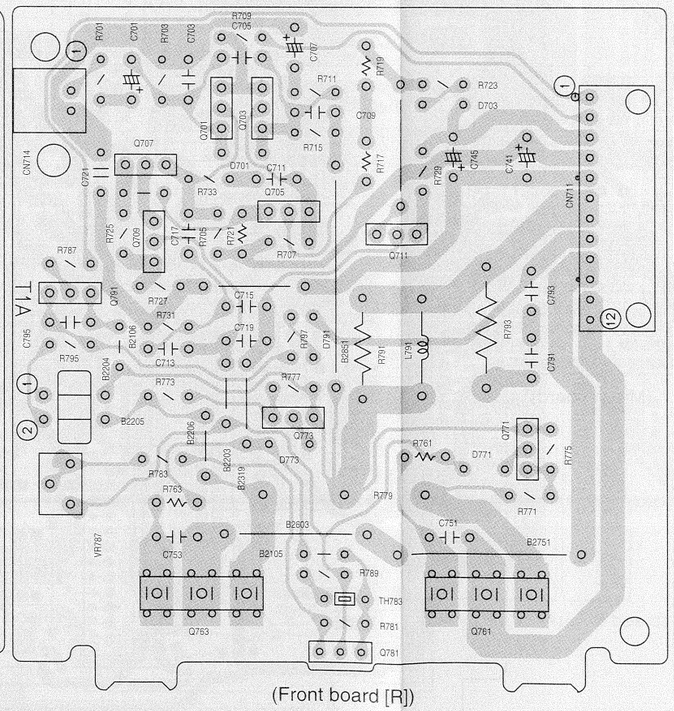
(Surround back board)



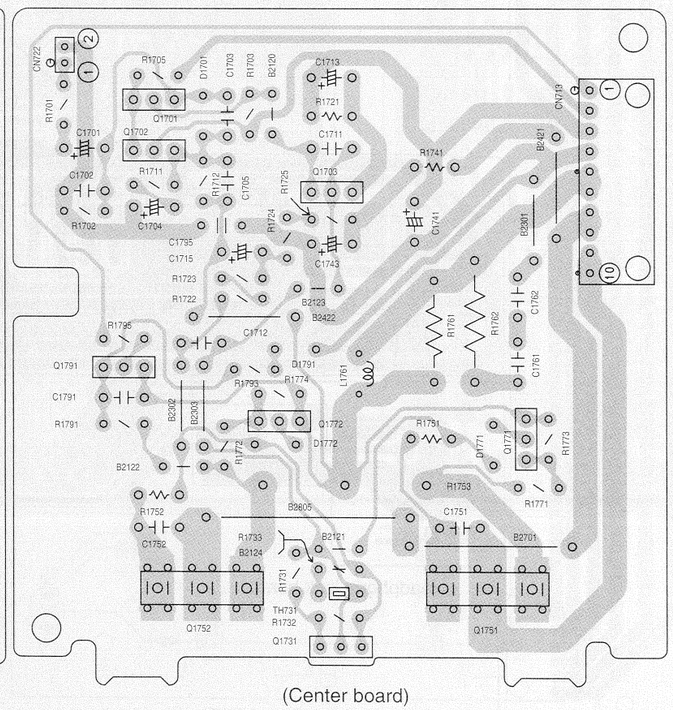
(Surround board [L])



(Front board [R])

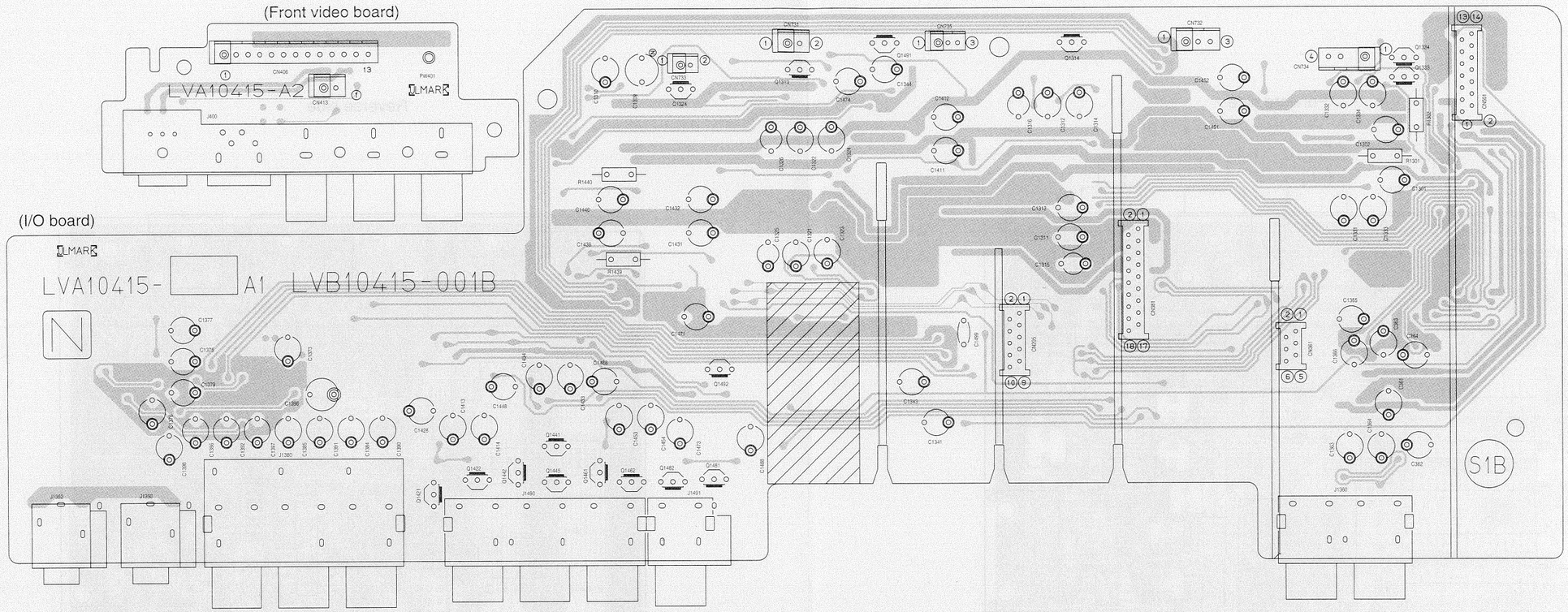


(Center board)

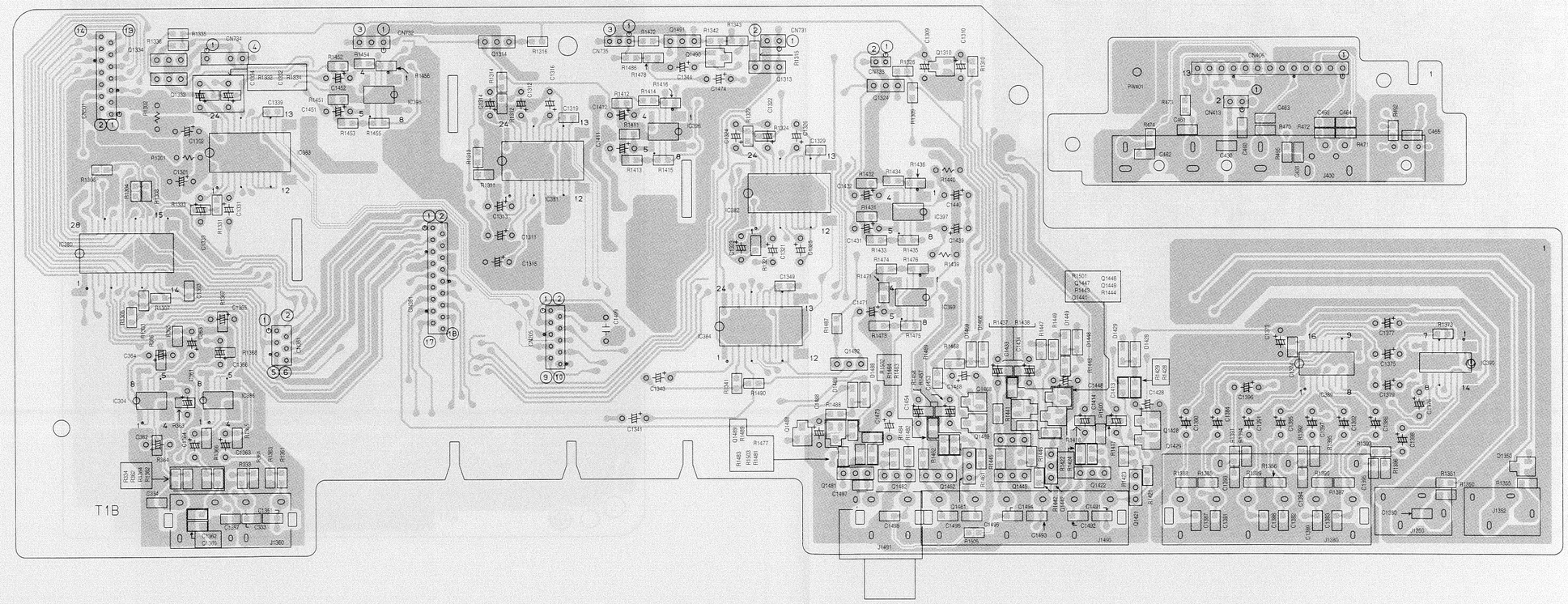


■ Input board

Forward side

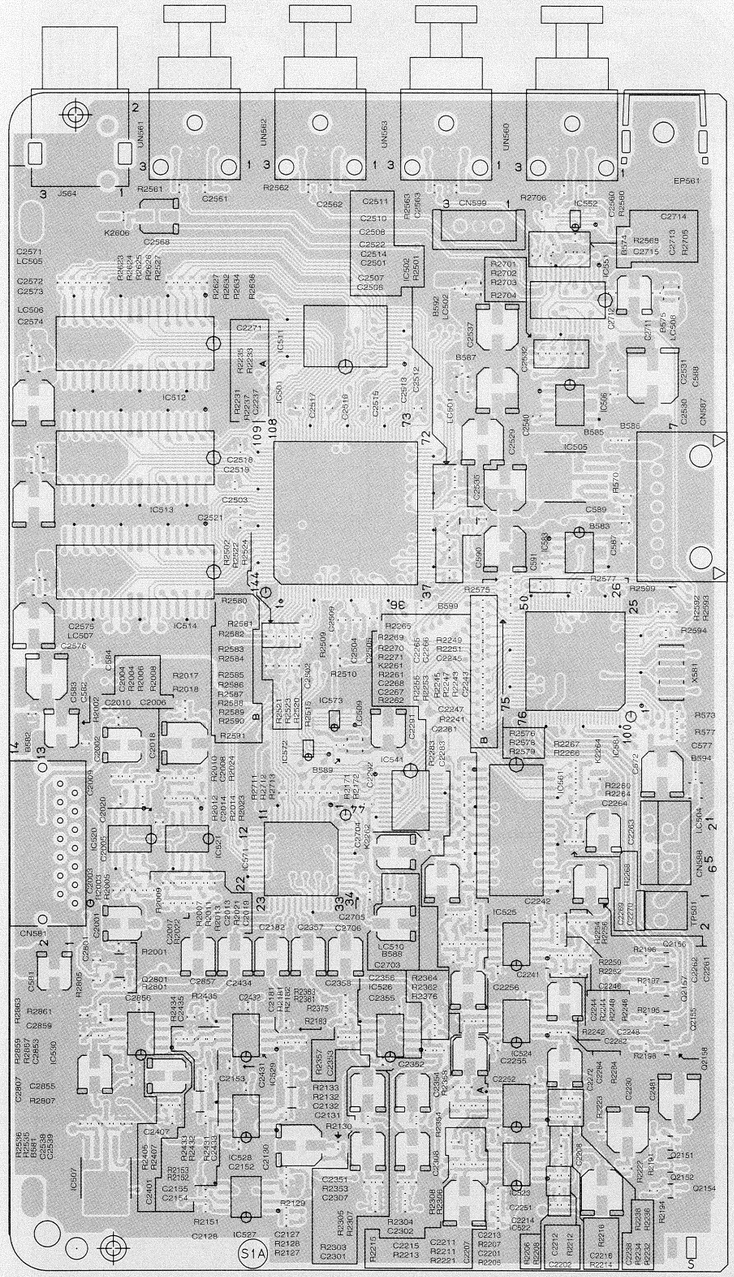


Reverse side

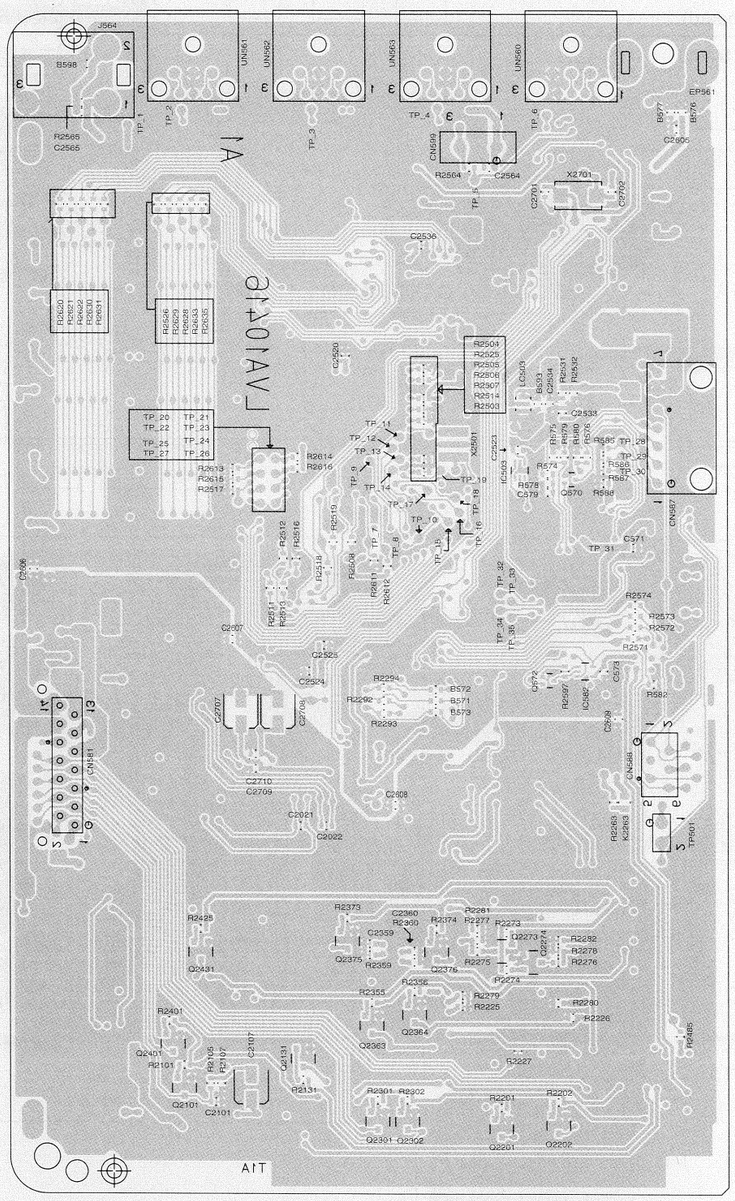


■ DSP board

Forward side



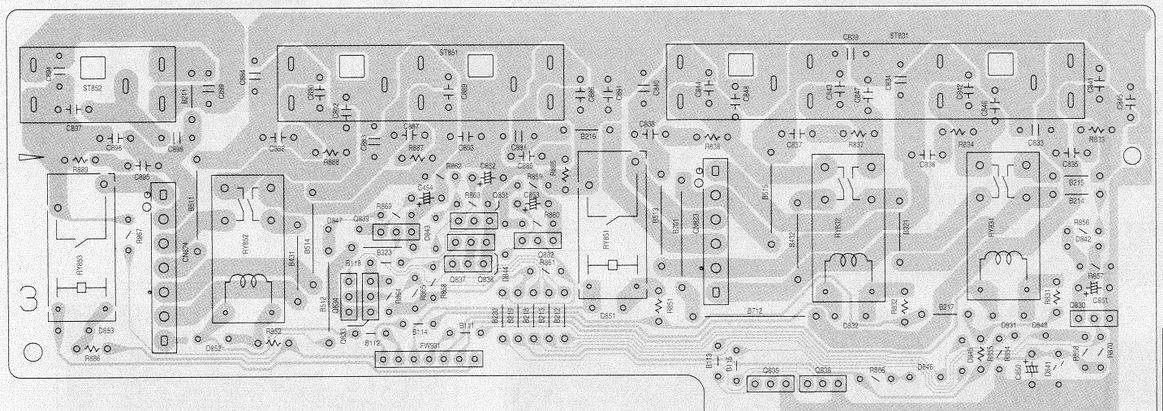
Reverse side



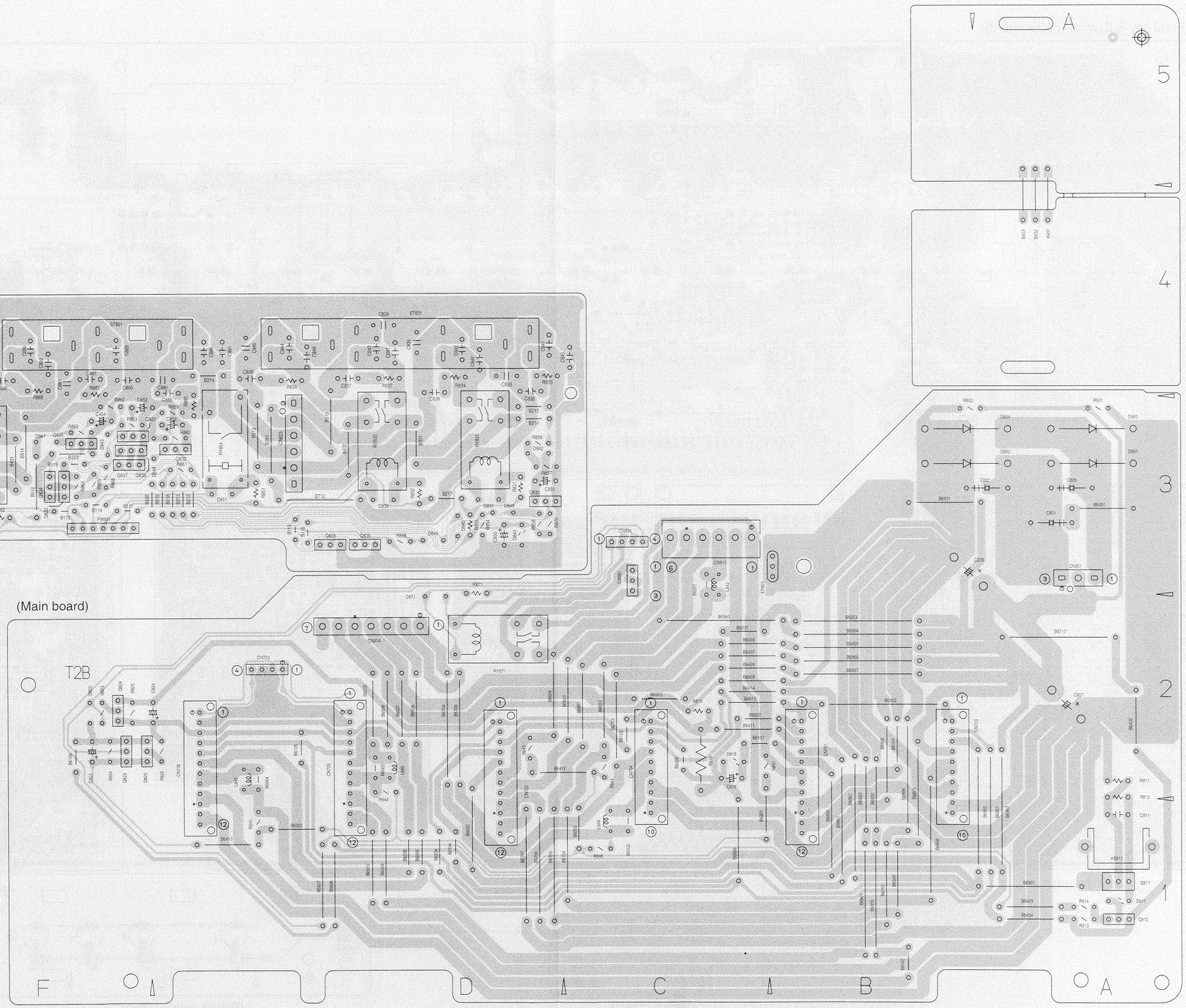
Printed circuit boards

■ Main board

(Speaker board)

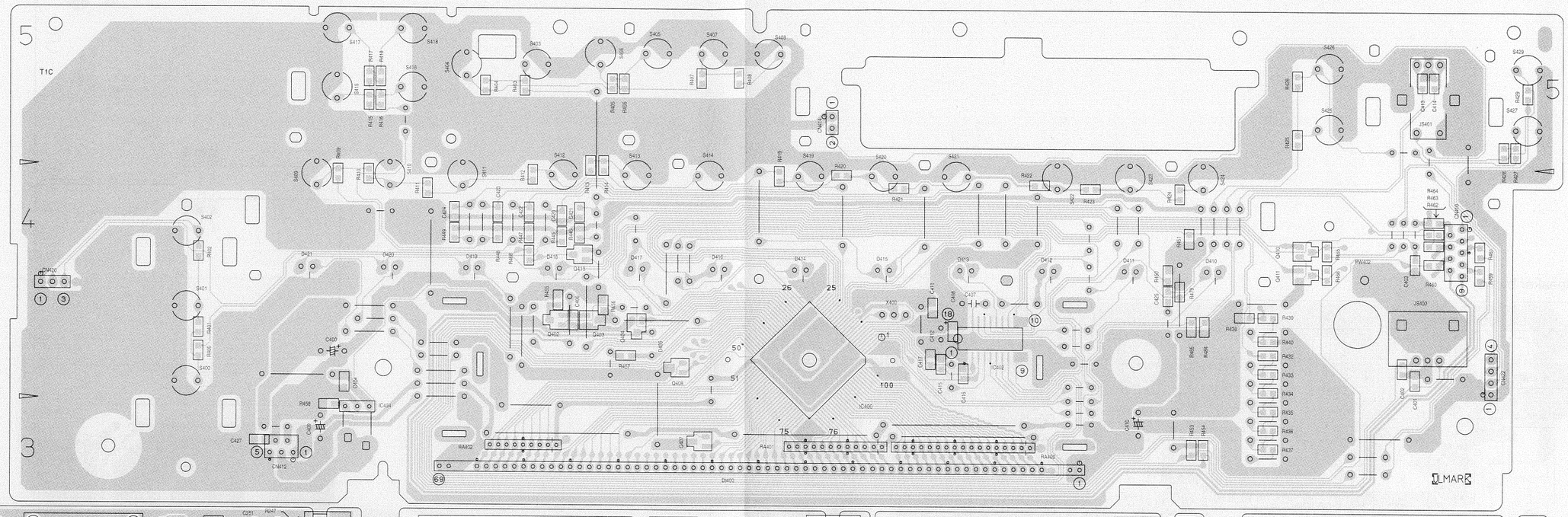


(Main board)

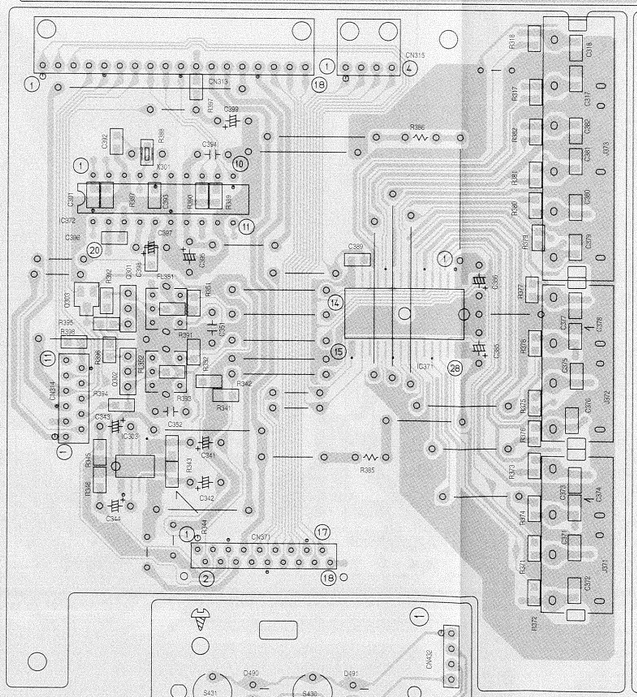


■ Front board

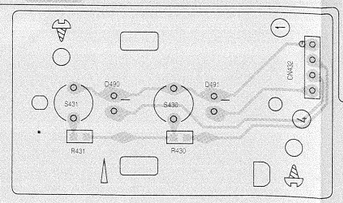
(Front key & System control board)



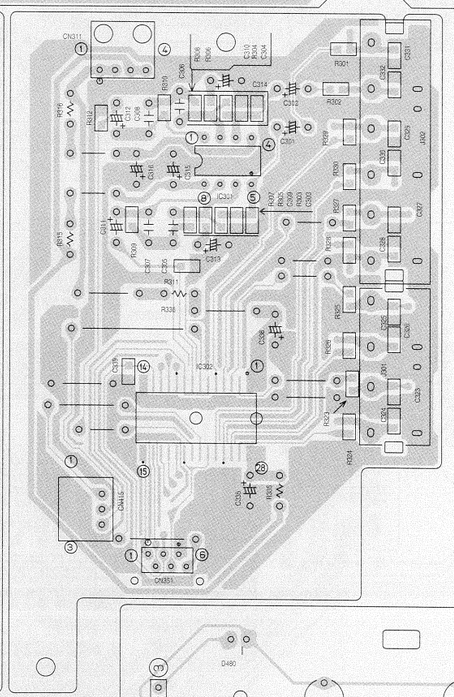
(S-Video board)



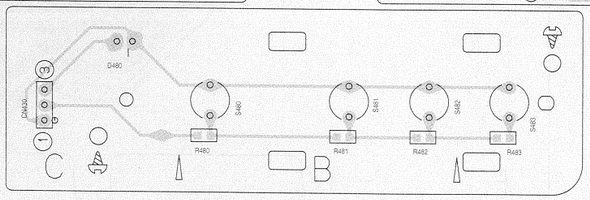
(Audio board)



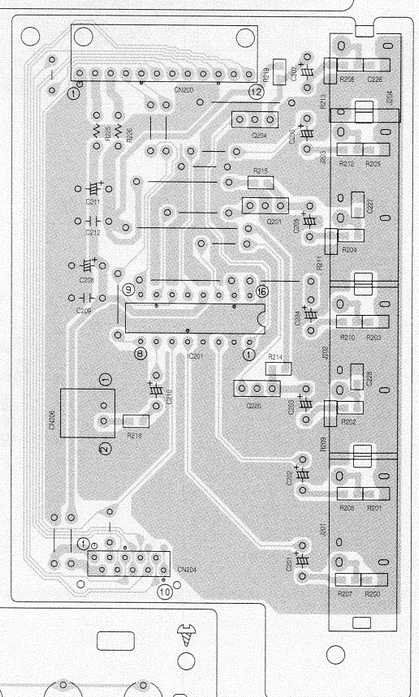
(Switch board)



(Audio2 board)

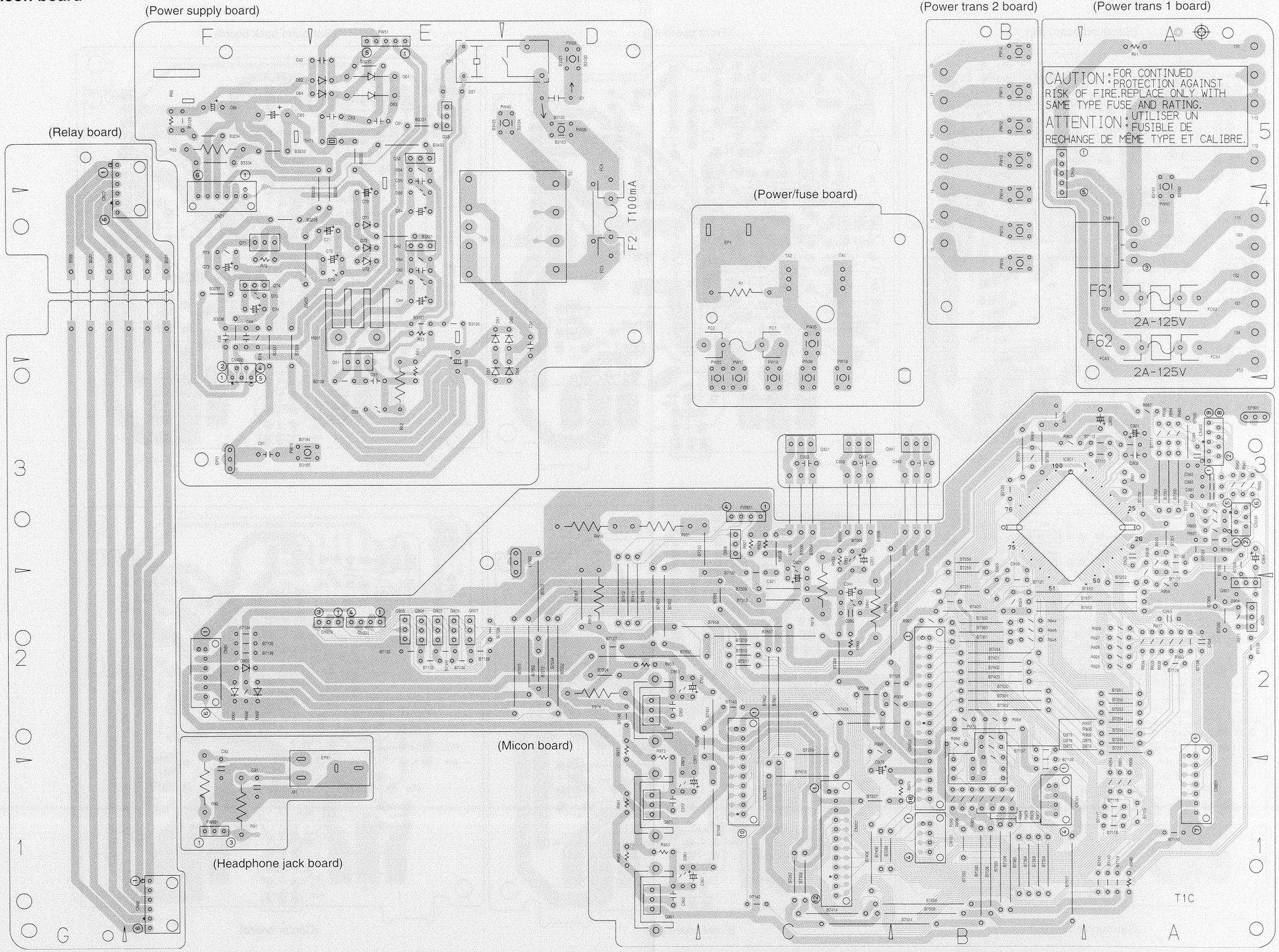


(Power switch board)

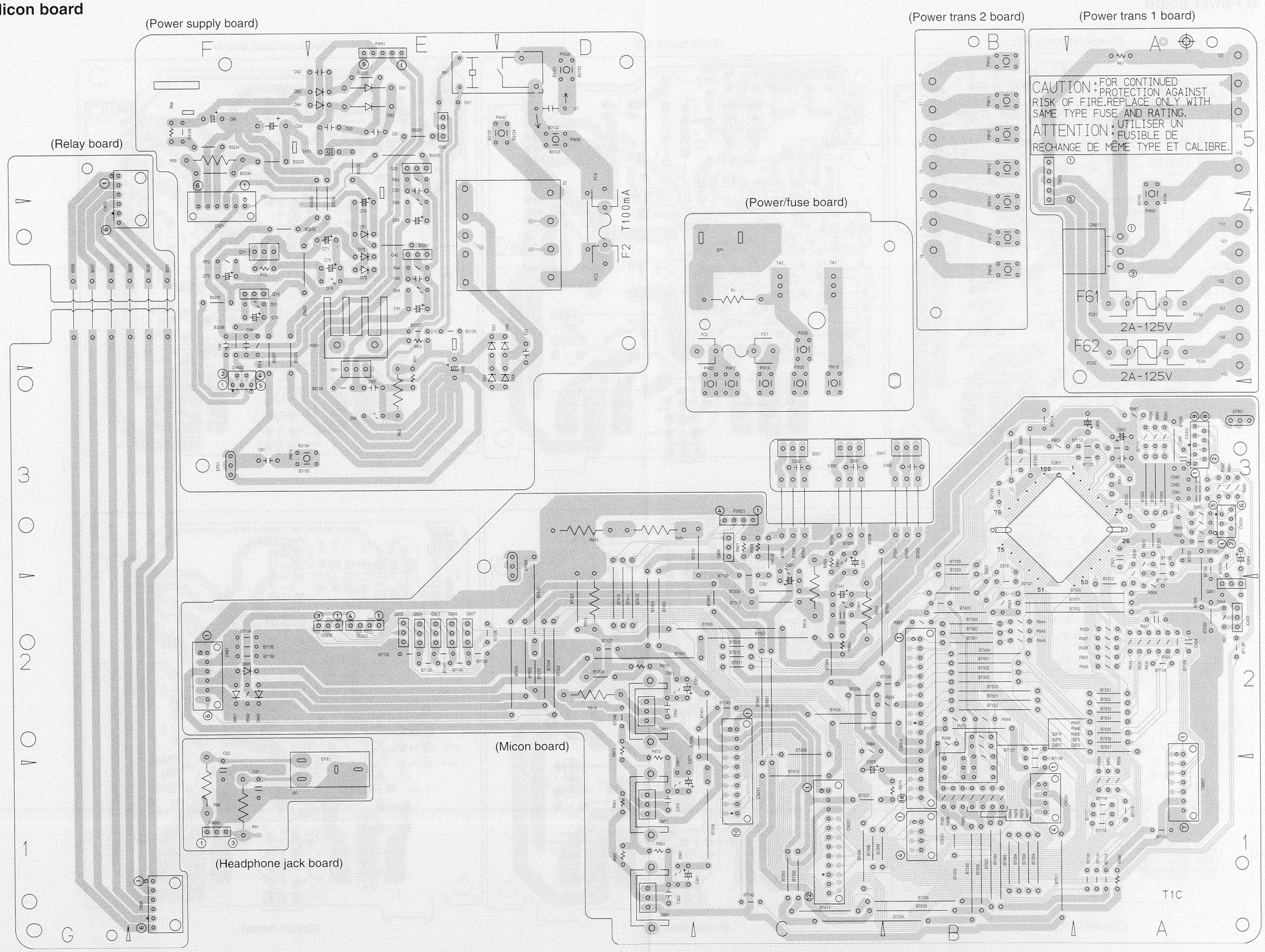


(Video board)

■ Micon board

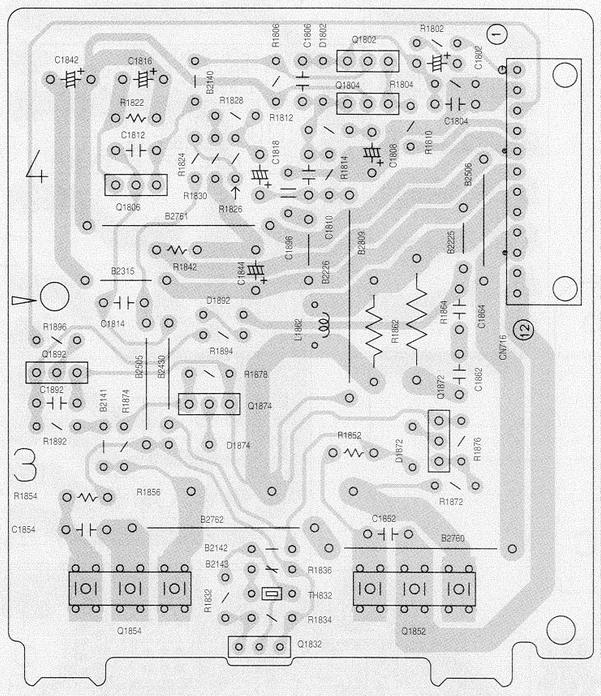

(Power supply board)
(Relay board)
(Power trans 2 board)
(Power trans 1 board)
(Power/fuse board)
(Micon board)
(Headphone jack board)
CAUTION: FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ONLY WITH SAME TYPE FUSE AND RATING.
ATTENTION: UTILISER UN FUSIBLE DE RECHANGE DE MÊME TYPE ET CALIBRE.
F61
2A-125V
F62
2A-125V
F2 T100mA
T1C

■ Micon board

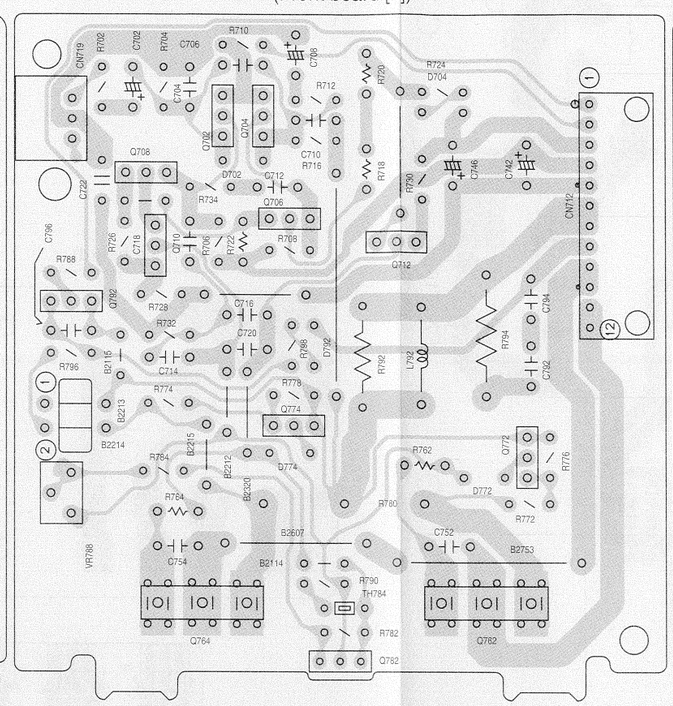

(Power supply board)
(Relay board)
(Power trans 2 board)
(Power trans 1 board)
(Power/fuse board)
(Micon board)
(Headphone jack board)
CAUTION : FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ONLY WITH SAME TYPE FUSE AND RATING.
ATTENTION : UTILISER UN FUSIBLE DE RECHANGE DE MÊME TYPE ET CALIBRE.
F61
2A-125V
F62
2A-125V
F2 T100mA

■ Power board

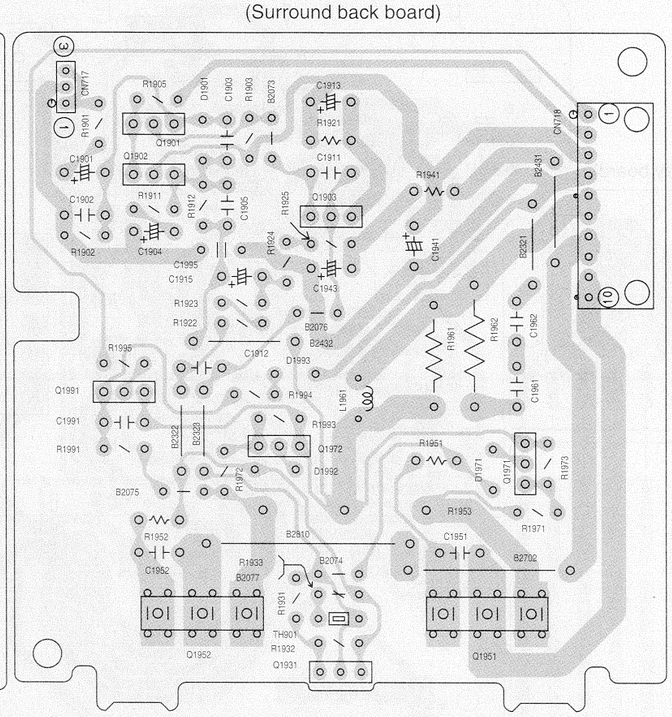
(Surround board [R])



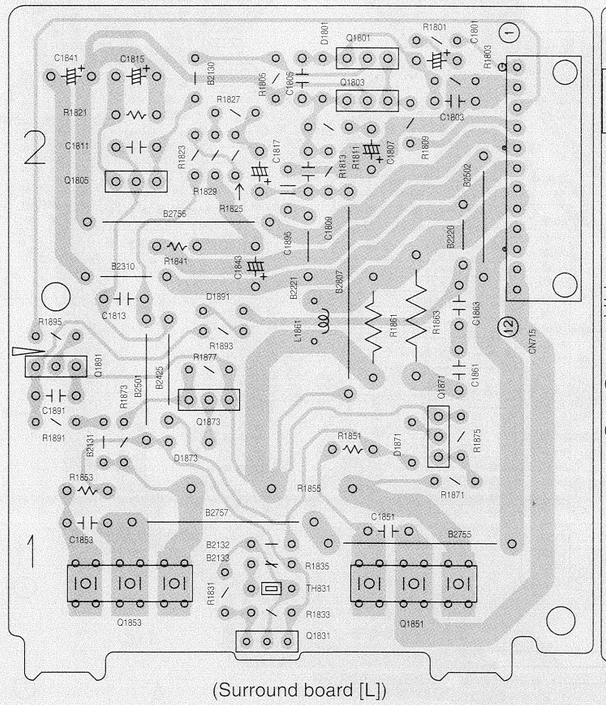
(Front board [L])



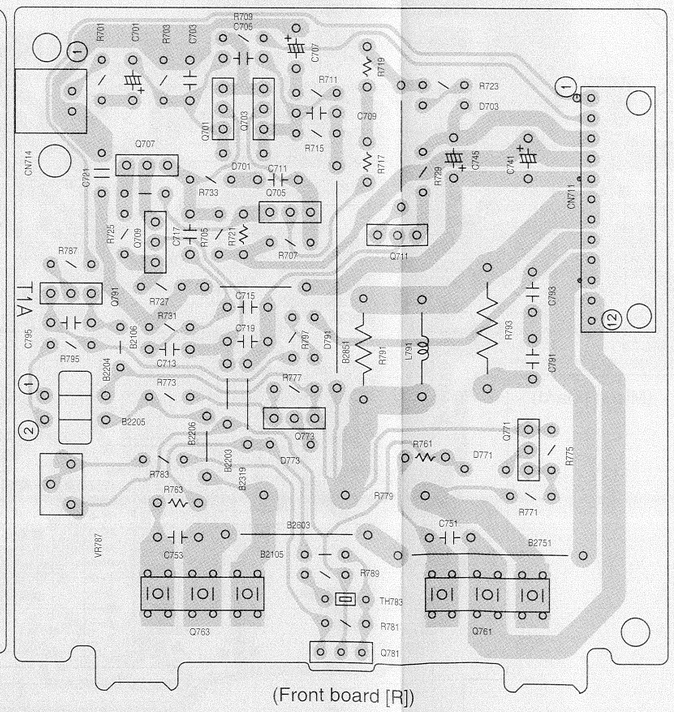
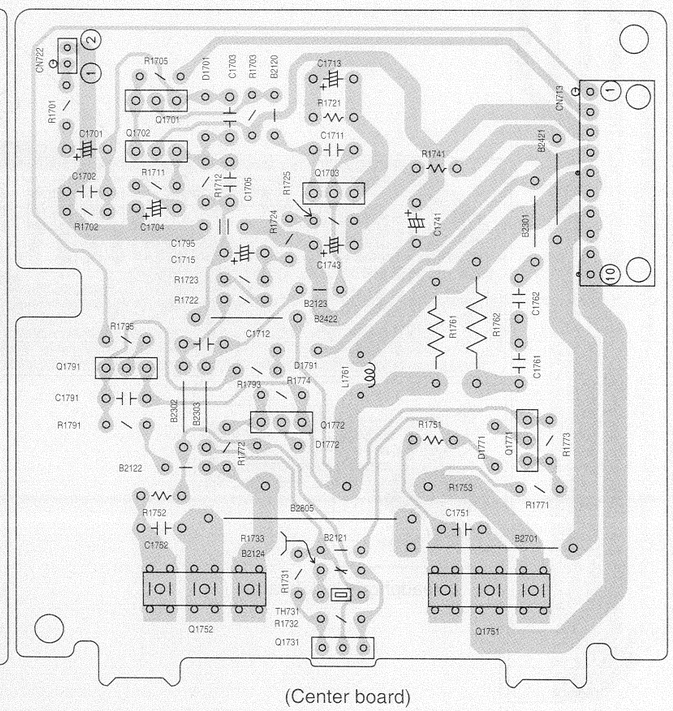
(Surround back board)



(Surround board [L])



(Front board [R])



(Center board)